



# TECHNICAL SPECIFICATIONS

## 2024 FORD KUGA SPECIFICATIONS

### PERFORMANCE AND ECONOMY

Kuga	Power PS	Fuel consumption l/100 km WLTP <sup>1</sup>		Performance		
		CO <sub>2</sub> (g/km) <sup>1</sup>	Combined	Max Speed (km/h)	0-100 km/h 0-62 mph (sec)	50-100 km/h 31-62 mph (sec) <sup>2</sup>
1.5-litre EcoBoost FWD (6-speed manual)	150	144-163	6.3-7.2	195	9.5	9.5
2.5-litre Petrol Hybrid FWD	180	121-143	5.3-6.2	196	9.1	N/A
2.5-litre Petrol Hybrid AWD	183	130-146	5.7-6.4	196	8.3	N/A
2.5-litre Petrol Plug-In Hybrid FWD	243	20-28	0.9-1.2	200	7.3	N/A
		Equivalent all-electric range overall WLTP	60-69 km			
		Equivalent all-electric range city WLTP	88 km			

<sup>1</sup> CO<sub>2</sub> emission and fuel efficiency ranges may vary according to vehicle variants offered by individual markets.

The declared WLTP fuel/energy consumptions, CO<sub>2</sub>-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. The applied standard test procedures enable comparison between different vehicle types and different manufacturers.

<sup>2</sup> In 4th gear

### WEIGHTS

	Kerb weight (kg) <sup>3</sup>	Gross Vehicle Mass (kg)	Gross Train Mass (kg)	Max. Towable Mass (braked) (kg) <sup>4</sup>	Max. Towable Mass (unbraked) (kg) <sup>4</sup>	Max. Roof Load (kg)
1.5-litre EcoBoost FWD (150 PS)	1526	2075	3805	1730	750	75
2.5-litre Petrol Hybrid FWD (180 PS)	1689	2230	3830	1600	750	75
2.5-litre Petrol Hybrid AWD (183 PS)	1765	2315	4415	2100	750	75
2.5-litre Petrol Plug-In Hybrid FWD (243 PS)	1859	2400	4500	2100	750	75

<sup>3</sup> Represents the lightest kerbweight 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.

<sup>4</sup> 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. Max towing varies based on cargo, vehicle configuration, accessories and number of passengers.

## **DIMENSIONS** <sup>5</sup>

		<b>Kuga Titanium</b>	<b>Kuga ST-Line</b>	<b>Kuga Active</b>
Overall length	<b>mm</b>	4604	4615	4645
Overall width with mirrors	<b>mm</b>	2177	2177	2177
Overall width without mirrors	<b>mm</b>	1882	1882	1882
Overall width with mirrors folded	<b>mm</b>	2000	2000	2000
Overall height (maximum)	<b>mm</b>	1679	1651	1683
Wheelbase	<b>mm</b>	2711	2711	2711
Track front	<b>mm</b>	1599	1599	1599
Track rear	<b>mm</b>	1590	1590	1590
Approach angle	<b>deg</b>	20.0	18.4	20.0
Departure angle	<b>deg</b>	24.7	23.5	24.7
Minimum running ground clearance - kerb	<b>mm</b>	166-174	152-176	168-191
Ground clearance at maximum load	<b>mm</b>	143-160	129-159	144-171
<b>Interior First Row</b>				
Headroom without sunroof	<b>mm</b>	1021	1021	1021
Headroom with sunroof	<b>mm</b>	985	985	985
Legroom	<b>mm</b>	1076	1076	1076
Shoulder room	<b>mm</b>	1464	1464	1464
Hip room	<b>mm</b>	1405	1405	1405
<b>Interior Second Row</b>				
Headroom without sunroof	<b>mm</b>	998	998	998
Headroom with sunroof	<b>mm</b>	980	980	980
Nominal leg room	<b>mm</b>	986	986	986
Maximum leg room	<b>mm</b>	1035	1035	1035
Shoulder room	<b>mm</b>	1423	1423	1423
Hip room	<b>mm</b>	1352	1352	1352
<b>Cargo Compartment</b>				
Lift in height	<b>mm</b>	713-722	704-717	714-726
Cargo height	<b>mm</b>	885	885	885

Rear opening height	mm	773	773	773
Loading length at floor to first row	mm	1688	1688	1688
Load width between wheel arches	mm	1051	1051	1051
Load opening width at floor	mm	1071	1071	1071
<b>Luggage capacity</b> <sup>6</sup>				
Cargo volume behind first row (2-seat mode; laden to roof) with tyre repair kit <sup>7</sup>	litres	1517-1534	1517-1534	1517-1534
Cargo length at floor behind second row with tyre repair kit	mm	865-1017	865-1017	865-1017
Closed cargo compartment second row (under cargo shade) with tyre repair kit (min-max depending on sliding second row position)	litres	395-553	395-553	395-553

<sup>5</sup> Front-wheel drive with 17- to 20-inch wheels

<sup>6</sup> Cargo and load capacity limited by weight and weight distribution.

<sup>7</sup> V214-1. Dimensions may vary dependent on the model and equipment fitted.

### **DRIVER ASSISTANCE TECHNOLOGIES** <sup>8, 9</sup>

Active Park Assist 2
Adaptive Cruise Control with Stop & Go, Speed Sign Recognition, Lane Centring and Predictive Speed Assist
Auto High Beam Control
Auto lighting
Blind Spot Information System (BLIS) with Trailer Tow
Cross Traffic Alert with Active Braking
Distance Indication
Driver Alert
Dynamic Pixel LED headlights with Adaptive Front Lighting
Emergency Brake Assist
Evasive Steering Assist
Forward Collision Warning with Brake Support
Front and Rear Park Aid
Front wide-view camera
Glare-Free High Beam
Hill Start Assist
Intelligent Speed Assist
Intersection Assist
Lane Keeping Aid with Lane Departure Warning
Local Hazard Information
Post-Collision Braking
Pre-Collision Assist with Active Braking
Rain-sensing wipers
Rear wide-view camera
Rear Occupant Alert
Reverse Brake Assist
Selectable Drive Modes
Surround View Camera System
Traffic Sign Recognition
Trailer Tow Navigation

Wrong Way Alert
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## **COMFORT AND CONVENIENCE** <sup>8, 9</sup>

12.3-inch LCD instrument cluster
Wireless Apple CarPlay and Android Auto
B&O Sound System
FordPass 5G modem
Hands-free tailgate
Head-up display
Openable panoramic roof
Retractable tow bar
SYNC 4 with 13.2-inch touchscreen
Wireless charging pad

<sup>8</sup> Feature availability dependent on vehicle specification

<sup>9</sup> Driver-assist features are supplemental to and do not replace the driver's attention, judgement and need to control the vehicle

## **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 (AWD) twist-beam rear axle (FWD) 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
8.0 x 20-inch with 245/45 R20

## **PETROL ENGINES**

		<b>1.5-litre EcoBoost (150 PS)</b>
Type		In-line three-cylinder turbo petrol, Ti-VCT, transverse
Displacement	cm <sup>3</sup>	1497
Bore	mm	84.0
Stroke	mm	90.0
Compression ratio		11.0:1
Max power	PS (kW)	150 (110)
	at rpm	6000
Max torque steady state	Nm	240
	at rpm	1600-4000
Valve gear		DOHC with 4 valves per cylinder, twin independent variable cam timing
Cylinders		3 in-line
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		Vitesco EMS2910 with CAN-FD, Software Updates over the air and 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
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 0.651
		5th 0.775
		4th 0.971
		3rd 1.290
		2nd 1.952
		1st 3.583
		R 3.333 FDR 4.563
Fuel tank	Litres	54

## **HYBRID ENGINES**

		<b>2.5-litre Petrol Hybrid (180/183 PS)</b>
Type		Atkinson Cycle port fuel injection engine
Motor		Permanent magnet 3-phase AC synchronous traction motor, liquid cooled
Max power	PS (kW)	180 (FWD) 183 (AWD) (132/135)
	at rpm	5500

Max torque	Nm	N/A
	at rpm	N/A
Battery		Lithium-ion
High-voltage cooling system		Liquid-cooled
Battery capacity	kWh	1.1 kWh
Transmission		Ford-developed power-split automatic with continuously variable ratio
Gear ratio		AWD 3.368 FDR FWD 2.91 FDR
Fuel tank	litres	54
Displacement	cm <sup>3</sup>	2488
Bore	mm	89.0
Stroke	mm	100.0
Compression ratio		13.0:1
Valve gear		DOHC with 4 valves per cylinder, variable cam timing
Cylinders		4 inline
Cylinder head		Aluminium
Cylinder block		Aluminium
Camshaft drive		Chain-in-oil with dynamic tensioner
Crankshaft		Forged steel, 8 counter-weights, 5 main bearings
Engine management		Vitesco EMS2800 with CAN-FD, Software Updates over the air and FGEC software
Fuel injection		Multi-port fuel injection
Emission level		Euro 6d
Lubrication system		Electronically controlled variable displacement oil pump
Engine cooling system		Liquid cooled, separate from high-voltage cooling/heating system

		<b>2.5-litre Petrol Plug-In Hybrid (243 PS)</b>
Type		Atkinson Cycle port fuel injection engine
Motor		Permanent magnet 3-phase AC synchronous traction motor, liquid cooled
Max power	PS (kW)	243 (179)
	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 power-split automatic with continuously variable ratio
Gear ratio		3.368 FDR
Fuel tank	litres	42.7
Displacement	cm <sup>3</sup>	2488
Bore	mm	89.0
Stroke	mm	100.0
Compression ratio		13.0:1
Valve gear		DOHC with 4 valves per cylinder, variable cam timing
Cylinders		4 inline
Cylinder head		Aluminium
Cylinder block		Aluminium
Camshaft drive		Chain-in-oil with dynamic tensioner

Crankshaft		Forged steel, 8 counter-weights, 5 main bearings
Engine management		Vitesco EMS2800 with CAN-FD, Software Updates over the air and FGEC software
Fuel injection		Multi-port fuel injection
Emission level		Euro 6d
Lubrication system		Electronically controlled variable displacement oil pump
Engine cooling system		Liquid cooled, separate from high-voltage cooling/heating system

## **DRIVE LINE**

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

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