

# THE JAGUAR XK



Manufacturing location: Browns Lane, Coventry, UK

## USA SPECIFICATIONS FOR XK

	XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>ENGINE</b>				
Type	90° V8, aluminum alloy cylinder head/block, DOHC 4 valves per cylinder	90° V8, aluminum alloy cylinder head/block, DOHC 4 valves per cylinder	90° V8, aluminum alloy cylinder head/block, DOHC 4 valves per cylinder	90° V8, aluminum alloy cylinder head/block, DOHC 4 valves per cylinder
Bore	3.39 in.	3.39 in.	3.39 in.	3.39 in.
Stroke	3.56 in.	3.56 in.	3.56 in.	3.56 in.
Displacement	4.2 liter	4.2 liter	4.2 liter	4.2 liter
Compression Ratio	11.0:1	11.0:1	9.1:1	9.1:1
Crankshaft	SG cast iron, 5 main bearings	SG cast iron, 5 main bearings	SG cast iron, 5 main bearings	SG cast iron, 5 main bearings
Connecting Rods	Sinter forged, fracture split	Sinter forged, fracture split	Sinter forged, fracture split	Sinter forged, fracture split
Pistons	Cast aluminum, 3 piece oil control rings, steel cylinder liners	Cast aluminum, 3 piece oil control rings, steel cylinder liners	Cast aluminum, 3 piece oil control rings, steel cylinder liners	Cast aluminum, 3 piece oil control rings, steel cylinder liners
Lubrication	Eccentric rotor pump, 68 PSI (4.7 bar) regulated pressure, jet lubrication of drive chains	Eccentric rotor pump, 68 PSI (4.7 bar) regulated pressure, jet lubrication of drive chains	Eccentric rotor pump, 68 PSI (4.7 bar) regulated pressure, jet lubrication of drive chains, oil cooler, jet cooling of pistons	Eccentric rotor pump, 68 PSI (4.7 bar) regulated pressure, jet lubrication of drive chains, oil cooler, jet cooling of pistons
Induction	Normally aspirated, 3 vane type continuously variable cam phasing over 48° range	Normally aspirated, 3 vane type continuously variable cam phasing over 48° range	Supercharged Eaton Roots type with rotors driven by helical gears, twin air-liquid intercoolers, 13 PSI (.9 bar) maximum boost, fixed cam phasing, solenoid operated duel inlet air box.	Supercharged Eaton Roots type with rotors driven by helical gears, twin air-liquid intercoolers, 13 PSI (.9 bar) maximum boost, fixed cam phasing, solenoid operated duel inlet air box.
Camshaft Drive	Inverted tooth chain drive	Inverted tooth chain drive	Inverted tooth chain drive	Inverted tooth chain drive
Valve Actuation	Direct acting mechanical, bucket tappets	Direct acting mechanical, bucket tappets	Direct acting mechanical, bucket tappets	Direct acting mechanical, bucket tappets
Engine Management	Denso 32 bit	Denso 32 bit	Denso 32 bit	Denso 32 bit
Engine Control	Electronic throttle	Electronic throttle	Electronic throttle	Electronic throttle
Ignition	Electronic	Electronic	Electronic	Electronic
Fuel Delivery	Electronic returnless system, single electric fuel pump	Electronic returnless system, single electric fuel pump	Electronic returnless system, twin electric fuel pump	Electronic returnless system, twin electric fuel pump
Fuel Injection	Electronic multiport, Denso 12 hole fuel injectors	Electronic multiport, Denso 12 hole fuel injectors	Electronic multiport, Denso 12 hole fuel injectors	Electronic multiport, Denso 12 hole fuel injectors
Recommended Fuel	Premium Unleaded	Premium Unleaded	Premium Unleaded	Premium Unleaded
Exhaust	Branched tuned manifolds	Branched tuned manifolds	Log type manifolds	Log type manifolds
Emissions Control	3-way catalysts, exhaust gas recirculation	3-way catalysts, exhaust gas recirculation	3-way catalysts, exhaust gas recirculation	3-way catalysts, exhaust gas recirculation
Emission Standard	LEV	LEV	LEV	LEV
Horsepower (SAE)	294 @ 6,000 rpm	294 @ 6,000 rpm	390 @ 6,000 rpm	390 @ 6,000 rpm
Maximum Torque	303 @ 4,100 rpm	303 @ 4,100 rpm	399 @ 3,500 rpm	399 @ 3,500 rpm
EPA Fuel Economy (mpg)	17 city / 24 highway	17 city / 24 highway	16 city / 23 highway	16 city / 23 highway
<b>PERFORMANCE</b>				
0-60 mph	6.1 sec.	6.3 sec.	5.2 sec.	5.3 sec.
Maximum speed	155 mph, electronically limited	155 mph, electronically limited	155 mph, electronically limited	155 mph, electronically limited
Coefficient of Drag (Cd)	0.345	0.36	0.345	0.36

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	XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>DRIVETRAIN</b>				
Configuration	Front engine, rear drive	Front engine, rear drive	Front engine, rear drive	Front engine, rear drive
Transmission	6-speed automatic, ZF6HP26	6-speed automatic, ZF6HP26	6-speed automatic, ZF6HP26	6-speed automatic, ZF6HP26
Transmission Control	Bosch Mechatronic	Bosch Mechatronic	Bosch Mechatronic	Bosch Mechatronic
Torque Converter	10.24", lockup available on all forward gears	10.24", lockup available on all forward gears	11.02", lockup available on all forward gears	11.02", lockup available on all forward gears
Gear Ratios	1st - 4.17:1 2nd - 2.34:1 3rd - 1.52:1 4th - 1.14:1 5th - 0.87:1 6th - 0.69:1 Reverse - 3.40:1	1st - 4.17:1 2nd - 2.34:1 3rd - 1.52:1 4th - 1.14:1 5th - 0.87:1 6th - 0.69:1 Reverse - 3.40:1	1st - 4.17:1 2nd - 2.34:1 3rd - 1.52:1 4th - 1.14:1 5th - 0.87:1 6th - 0.69:1 Reverse - 3.40:1	1st - 4.17:1 2nd - 2.34:1 3rd - 1.52:1 4th - 1.14:1 5th - 0.87:1 6th - 0.69:1 Reverse - 3.40:1
Final drive	2.06:1	2.06:1	2.06:1	2.06:1
<b>SUSPENSION</b>				
Front	Sport-tuned suspension. Fully independent twin wishbones. Coil springs with telescopic dampers. Anti-dive geometry providing longitudinal stability under heavy braking. Anti-roll bar.	Sport-tuned suspension. Fully independent twin wishbones. Coil springs with telescopic dampers. Anti-dive geometry providing longitudinal stability under heavy braking. Anti-roll bar.	Sport-tuned with Computer Active Technology Suspension (CATS). Fully independent with twin wishbones. Coil springs with adaptive telescopic dampers. Anti-dive geometry providing longitudinal stability under heavy braking. Anti-roll bar.	Sport-tuned with Computer Active Technology Suspension (CATS). Fully independent with twin wishbones. Coil springs with adaptive telescopic dampers. Anti-dive geometry providing longitudinal stability under heavy braking. Anti-roll bar.
Rear	Sport-tuned suspension. Fully independent with lower wishbones and driveshafts acting as upper links. Coil springs with telescopic dampers. Anti-roll bar. Dynamic Stability Control	Sport-tuned suspension. Fully independent with lower wishbones and driveshafts acting as upper links. Coil springs with telescopic dampers. Anti-roll bar. Dynamic Stability Control	Sport-tuned with Computer Active Technology Suspension (CATS). Fully independent with lower wishbones and driveshafts acting as upper links. Coil springs with telescopic dampers. Anti-roll bar. Dynamic Stability Control	Sport-tuned with Computer Active Technology Suspension (CATS). Fully independent with lower wishbones and driveshafts acting as upper links. Coil springs with telescopic dampers. Anti-roll bar. Dynamic Stability Control
<b>BRAKES</b>				
System	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control Active brake booster Independent front/rear split hydraulic circuits incorporating fluid loss warning sensor Mechanical park brake	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control Active brake booster Independent front/rear split hydraulic circuits incorporating fluid loss warning sensor Mechanical park brake	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control Active brake booster Independent front/rear split hydraulic circuits incorporating fluid loss warning sensor Mechanical park brake	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control Active brake booster Independent front/rear split hydraulic circuits incorporating fluid loss warning sensor Mechanical park brake
Front	Ventilated disc, 12.8" x 1.02", fixed cast iron calipers	Ventilated disc, 12.8" x 1.02", fixed cast iron calipers	Brembo ventilated R-Performance discs, 13.98" x .87", floating aluminum calipers	Brembo ventilated R-Performance discs, 13.98" x .87", floating aluminum calipers
Rear	Ventilated discs, 12.0" x .79", fixed cast iron calipers	Ventilated discs, 12.0" x .79", fixed cast iron calipers	Brembo ventilated R-Performance discs, 13.0" x .1.10", floating aluminum calipers	Brembo ventilated R-Performance discs, 13.0" x .1.10", floating aluminum calipers
Hoses	Rubber	Rubber	Steel braided	Steel braided

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	XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>WHEELS</b>				
Size and Style	18 x 8-in. (f) or 18 x 9-in. (r) cast alloy, Aris	18 x 8-in. (f) or 18 x 9-in. (r) cast alloy, Aris	18 x 8-in. (f) or 18 x 9-in. (r) cast alloy, Hydra	18 x 8-in. (f) or 18 x 9-in. (r) cast alloy, Hydra
Spare	Space Saver	Space Saver	Space Saver	Space Saver
Tires	Continental 245/45 ZR18 (f) Continental 255/45 ZR18 (r)	Continental 245/45 ZR18 (f) Continental 255/45 ZR18 (r)	Continental 245/45 ZR18 (f) Continental 255/45 ZR18 (r)	Continental 245/45 ZR18 (f) Continental 255/45 ZR18 (r)
<b>STEERING</b>				
Type	Power-assisted, speed-sensitive, variable ratio rack and pinion	Power-assisted, speed-sensitive, variable ratio rack and pinion	Power-assisted, speed-sensitive, variable ratio rack and pinion	Power-assisted, speed-sensitive, variable ratio rack and pinion
Column Adjustment	1.28" reach, 15 (degree) tilt	1.28" reach, 15 (degree) tilt	1.28" reach, 15 (degree) tilt	1.28" reach, 15 (degree) tilt
Turns - lock to lock	2.8	2.8	2.8	2.8
Turning circle (curb to curb)	36 ft. 2 in.	36 ft. 2 in.	36 ft. 2 in.	36 ft. 2 in.
<b>BODY CONSTRUCTION</b>				
Type	Steel monocoque, welded, steel fabricated cross car beam, aluminum front subframe, steel rear subframe	Steel monocoque, welded, steel fabricated cross car beam, aluminum front subframe, steel rear subframe	Steel monocoque, welded, steel fabricated cross car beam, aluminum front subframe, steel rear subframe	Steel monocoque, welded, steel fabricated cross car beam, aluminum front subframe, steel rear subframe
Door opening angles	55 degrees	55 degrees	55 degrees	55 degrees
Trunk opening angle	92.8 degrees, mechanical latching	80.0 degrees, mechanical latching	92.8 degrees, mechanical latching	80.0 degrees, mechanical latching
<b>ELECTRICAL SYSTEMS</b>				
Type	Standard Corporate Protocol (SCP), Controller Area Network (CAN)	Standard Corporate Protocol (SCP), Controller Area Network (CAN)	Standard Corporate Protocol (SCP), Controller Area Network (CAN)	Standard Corporate Protocol (SCP), Controller Area Network (CAN)
Generator	Denso SC1, 130 amp output	Denso SC1, 130 amp output	Denso SC1, 130 amp output	Denso SC1, 130 amp output
Battery	90 amp hour, Silver Calcium	90 amp hour, Silver Calcium	90 amp hour, Silver Calcium	90 amp hour, Silver Calcium
<b>EXTERIOR DIMENSIONS</b>				
Length	188 in.	188 in.	188 in.	188 in.
Height	50.5 in	51.0 in.	50.3 in.	50.7 in.
Width	70.8 in (without mirrors) 81.7 in (with mirrors)	70.8 in (without mirrors) 81.7 in (with mirrors)	70.8 in (without mirrors) 81.7 in (with mirrors)	70.8 in (without mirrors) 81.7 in (with mirrors)
Track	Front:59.2 in./Rear: 59.0 in.	Front:59.2 in./Rear: 59.0 in.	Front:59.2 in./Rear: 59.0 in.	Front:59.2 in./Rear: 59.0 in.
Ground Clearance	4.7 in.	4.7 in.	4.7 in.	4.7 in.
Wheelbase (in.)	101.9 in.	101.9 in.	101.9 in.	101.9 in.
Weight Distribution	51.1% Front, 48.9% Rear	52.4% Front, 47.6% Rear	53.2% Front, 46.8% Rear	52.2% Front, 47.8% Rear
Curb weight	3,779 lb.	3,980 lb.	3,865 lb.	4,042 lb.
Permitted roof load	No roof loading permitted	No roof loading permitted	No roof loading permitted	No roof loading permitted
<b>INTERIOR DIMENSIONS</b>				
Headroom	Front: 37.4 in./Rear: 33.3 in.	Front: 37.0 in./Rear: 33.2 in.	Front: 37.4 in./Rear: 33.3 in.	Front: 37.0 in./Rear: 33.2 in.
Shoulder room	Front: 55.2 in./Rear: 51.5 in.	Front: 55.2 in./Rear: 42.3 in.	Front: 55.2 in./Rear: 51.5 in.	Front: 55.2 in./Rear: 42.3 in.
Leg Room	Front: 43.0 in./Rear:23.7 in.	Front: 43.0 in./Rear: 23.1 in.	Front: 43.0 in./Rear:23.7 in.	Front: 43.0 in./Rear: 23.1 in.
<b>CAPACITIES</b>				
Trunk	11.5 cu.ft.	10.8 cu.ft.	11.5 cu.ft.	10.8 cu.ft.
Fuel	19.9 gal.	19.9 gal.	19.9 gal.	19.9 gal.

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## STANDARD AND OPTIONAL FEATURES

		XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>TRANSMISSION/SUSPENSION/BRAKES</b>					
Brakes	Disc front and rear, vented	S	S	N/A	N/A
	Brembo, four-piston with silver painted calipers and Jaguar R logo	N/A	N/A	S	S
	Red calipers and drilling of Brembo brakes	N/A	N/A	SO	SO
Drivetrain control	Dynamic Stability Control (DSC)	S	S	S	S
	Traction control	S	S	S	S
Handling package	The electronic control unit and damper settings are revised for a strong bias towards taut, dynamic handling. The road springs and anti-roll bars are uprated for increased roll stiffness. The variable-ratio, speed-sensitive power steering has been re-tuned. The Brembo brakes are cross-drilled.	SO	N/A	SO	N/A
Transmission	6-speed electronic automatic	S	S	S	S
<b>EXTERIOR FEATURES</b>					
Chrome exterior pack	Chrome trunk plinth, front grille splitter and door handles	S	S		
	Bright mesh grille insert and chrome door handles			S	S
Exterior mirrors	Power-adjustable, heated	S	S	S	S
Fog lights	Front and rear	S	S	S	S
Headlights	Automatic headlights	S	S	S	S
	Headlights automatically on with wipers	S	S	S	S
	Powerwash (retractable engages with every sixth activation of the windshield washer's)	S	S	S	S
	Halogen headlights	S	S	N/A	N/A
	Xenon headlights	O	O	S	S
Heated rear window	With a 20 minute timer delay	S	S	S	S
Metallic paint		NCO	NCO	NCO	NCO
Rain-sensing windshield wipers	Variable intermittent	S	S	S	S
Reverse Park Control (RPC)	Rear, four ultrasonic sensors	S	S	S	S
Wheels	Cast alloy 8" (f) and 9" (r) x 18" Aris, Continental 245/45ZR 18" (f) 255/45ZR 18" (r)	S	S	N/A	N/A
	Cast alloy 8" (f) and 9" (r) x 18" Hydra, Continental 245/45ZR 18" (f) 255/45ZR 18" (r)	N/A	N/A	S	S
	Cast alloy 8" (f) and 9" (r) x 19" Atlas, Pirelli 245/40ZR 19" (f) 255/40ZR 19" (r)	O	O	N/A	N/A
	2-piece BBS cast alloy 9" x 20" (f) 10" x 20" (r) Montreal, Pirelli 255/35ZR 20" (f) 285/30ZR 20" (r)	N/A	N/A	O	O
	2-piece BBS cast alloy 9" x 20" (f) 10" x 20" (r) Sepang, Pirelli 255/35ZR 20" (f) 285/30ZR 20" (r)	N/A	N/A	O	O
	2-piece BBS cast alloy 9" x 20" (f) 10" x 20" (r) Detroit, Pirelli 255/35ZR 20" (f) 285/30ZR 20" (r)	N/A	N/A	O	O
	Steel space saver spare	S	S	S	S

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INTERIOR THEME, TRIM AND SEATING		XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
Classic interior theme	Color-keyed upper fascia, steering wheel, door top rolls and carpets, burl walnut veneer fascia and switchpack surrounds	S	S	S	S
Aluminum trim	Gauge surround, J-Gate surround	S	S	S	S
	Pedals, foot rest	N/A	N/A	S	S
Seats and trim	Classic leather trimmed seating surfaces	S	S	N/A	N/A
	Sport leather trimmed seating surfaces	N/A	N/A	S	S
	Recaro leather trimmed seating surfaces with integrated front headrests	N/A	N/A	S0	S0
Seats, front	12-way power-adjustable, driver and front passenger	S	S	S	S
	Heated cushion	S	S	S	S
Seats, rear	Bench 2 passenger	S	S	S	S
Classic seats, leather seating surfaces	12-way driver and passenger with driver memory	S	S	N/A	N/A
R sport seats, leather seating surfaces	12-way driver and passenger with driver memory	N/A	N/A	S	S
Recaro seats, leather seating surfaces	10-way driver and passenger with driver memory	N/A	N/A	S0	S0
Steering wheels	Walnut wood/leather	S	S	S	S
	R Performance all-leather steering wheel	N/A	N/A	S0	S0
Gearknobs	Walnut Wood	S	S	N/A	N/A
	R Performance leather with chrome sides	N/A	N/A	S	S
	Momo leather	N/A	N/A	S0	S0

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		XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>INTERIOR FEATURES</b>					
Air conditioning	Automatic climate control	S	S	S	S
	Outside temperature indicator	S	S	S	S
Clock	Analog	S	S	N/A	N/A
	Digital	0*	0*	S	S
Cruise control	Adaptive cruise control, radar-based	0	0	0	0
	Steering wheel controls	S	S	S	S
Cupholders	Twin retractable, front	S	S	S	S
Floor mats	Carpet, front and rear	S	S	S	S
Garage door opener	3-channel Homelink-compatible	S	S	S	S
Interior mood lighting	Amber	S	S	S	S
Power-assisted steering	Speed-sensitive, variable-ratio	S	S	S	S
Powerpoint	Lighter	S	S	S	S
Power windows	One-touch open, front	S	S	S	S
	Open when convertible roof retracts, rear	N/A	S	N/A	S
Roof	Power convertible, lowers in 20 seconds at up to 10 mph	N/A	S	N/A	S
Steering column	Electrically-adjustable tilt/telescoping with memory and entry/exit feature	S	S	S	S
Sunvisors	Telescoping, illuminated with vanity mirror, driver and passenger	S	S	S	S
Trip Computer	With twin function and message center	S	S	S	S
<b>AUDIO/COMMUNICATIONS</b>					
Audio equipment	Alpine Premium sound system with 9 speakers coupe (8 speakers convertible) 320 watt output, DSP, power amplifier, subwoofers, cassette player, 6-CD changer (in-trunk)	S	S	S	S
	Steering wheel controls	S	S	S	S
	Antenna, power retractable	S	S	S	S
Navigation	Alpine 5.25-inch DVD-based	0	0	S	S
Telephone system	Motorola v60	A	A	A	A
	Steering wheel controls	S	S	S	S

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		XK8 coupe	XK8 convertible	XKR coupe	XKR convertible
<b>SAFETY</b>					
Adaptive Restraint Technology System (A.R.T.S.)	Ultrasonic passenger position sensors, weight sensor on passenger seat, passenger seat belt usage sensor and driver seat track location sensor	S	S	S	S
Airbags	Front, driver and passenger	S	S	S	S
	Front side, head-chest, seat-mounted driver and passenger	S	S	S	S
Anti-lock braking system		S	S	S	S
Emergency brake assist		S	S	S	S
Emergency trunk release	Phosphorescent inside trunk	S	S	S	S
First aid kit		A	A	A	A
Center high mount stop light (CHMSL)		S	S	S	S
Interior rear view mirrors	Electrochromic, with compass**	Compass if navigation not included	Compass if navigation not included	No mirror compass	No mirror compass
Seat belts	Pre-tensioners, front	S	S	S	S
	Height adjustable upper anchorages, front	S	N/A	S	N/A
	Child seat Isofix, rear	S	S	S	S
<b>SECURITY</b>					
Security system	Security system with remote central locking - 2-stage unlock, drive away locking, engine immobilizer and valet key	S	S	S	S

\* Digital clock within Navigation System if equipped

\*\* Compass integrated within Navigation System if equipped

S = Standard    O = Optional at extra cost    NCO = Optional at no extra cost    SO = Special Order Option at Extra Cost    N/A = Not available    A = Accessory