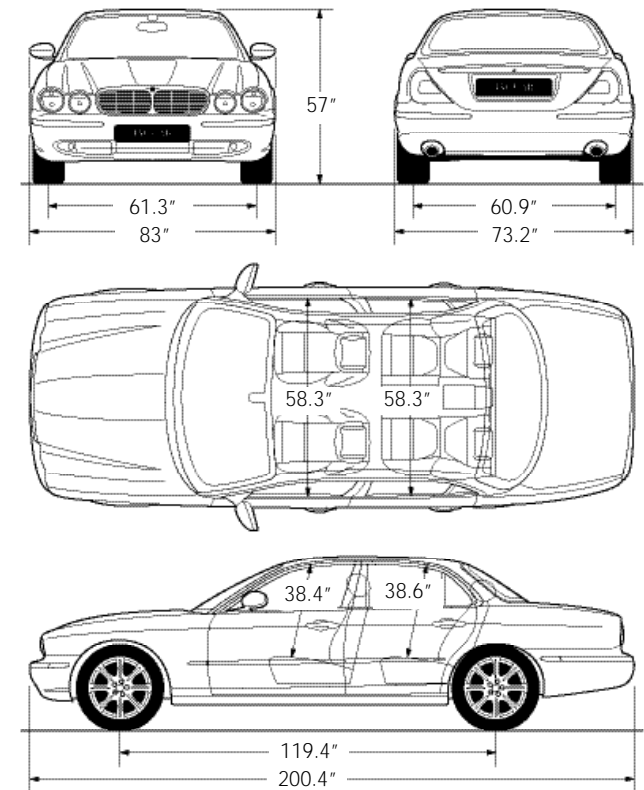


THE NEW JAGUAR XJ



USA SPECIFICATIONS FOR XJ8 AND XJR

	XJ8	XJR
ENGINE		
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
Bore	3.39 in.	3.39 in.
Stroke	3.56 in.	3.56 in.
Displacement	4.2 liter	4.2 liter
Compression Ratio	11.0:1	9.0:1
Crankshaft	SG cast iron, 5 main bearings	SG cast iron, 5 main bearings
Connecting Rods	Sinter forged, fracture split	Sinter forged, fracture split
Pistons	Cast aluminum, 3 piece oil control rings, steel cylinder liners.	Cast aluminum, 2 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, oil cooler, jet cooling of pistons.
Induction	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 dual inlet air box.
Camshaft Drive	Inverted tooth chain drive	Inverted tooth chain drive
Valve Actuation	Direct acting mechanical, bucket tappets	Direct acting mechanical, bucket tappets
Engine Management	Denso 32 bit	Denso 32 bit
Engine Control	Electronic throttle	Electronic throttle
Ignition	Electronic	Electronic
Fuel Delivery	Electronic returnless system, single electric fuel pump.	Electronic returnless system, twin electric fuel pumps.
Fuel Injection	Electronic multiport, Denso 12 hole fuel injectors.	Electronic multiport, Denso 12 hole fuel injectors.
Exhaust	Branched tuned manifolds.	Log type manifolds.
Emissions Control	3-way catalysts, exhaust gas recirculation.	3-way catalysts, exhaust gas recirculation.
Horsepower (SAE)	294 @ 6,000 rpm	390 @ 6,100 rpm
Maximum Torque	303 @ 4,100 rpm	399 @ 3,500 rpm
PERFORMANCE		
0-60 mph	6.3 sec.	5.0 sec.
Maximum speed	121 mph, electronically limited.	155 mph, electronically limited.
Coefficient of Drag (Cd)	0.32	0.32



Dimensions shown in inches.

THE NEW JAGUAR XJ



XJ8

XJR

DRIVETRAIN

Configuration	Front engine, rear drive	Front engine, rear drive
Transmission	6-speed automatic, ZF6HP26	6-speed automatic, ZF6HP26
Transmission Control	Bosch Mechatronic	Bosch Mechatronic
Torque Converter	260mm, lockup available on all forward gears.	280 mm, 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
Final drive	2.87:1	2.87:1

SUSPENSION

Front	Independent forged aluminum double wishbone design with 29mm anti-roll bar. Self-levelling air springs. Touring tuned enhanced Computer Active Technology (CATS) damping, independent front/rear two stage damping.	Independent forged aluminum double wishbone design with 31mm anti-roll bar. Self-levelling air springs. R-Performance tuned enhanced Computer Active Technology (CATS) damping, independent front/rear two stage damping.
Rear	Independent aluminum double wishbone design with 16mm anti-roll bar. Self-levelling air springs. Touring tuned enhanced Computer Active Technology (CATS) damping, independent front/rear two stage damping. Dynamic Stability Control	Independent aluminum double wishbone design with 17mm anti-roll bar. Self-levelling air springs. R-Performance tuned enhanced Computer Active Technology (CATS) damping, independent front/rear two stage damping. Dynamic Stability Control

BRAKES

System	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control. Active brake booster. Independent front/rear diagonal split hydraulic circuits incorporating fluid loss warning sensor. Electronic parking brake.	Teves Mk25 electronically controlled 4-channel anti-lock brake system with yaw control. Active brake booster. Independent front/rear diagonal split hydraulic circuits incorporating fluid loss warning sensor. Electronic parking brake.
Front	Ventilated discs, 12.6" x 1.18", floating aluminum calipers.	Brembo ventilated R-Performance discs, 14.4" x 1.26", fixed aluminum four piston calipers.
Rear	Ventilated discs, 11.3" x .79", floating aluminum calipers.	Brembo solid R-Performance discs, 13" x .59", fixed aluminum four piston calipers.
Hoses	Steel braided	Steel braided

THE NEW JAGUAR XJ



XJ8

XJR

WHEELS

Size and Style	17 x 7.5-inch light forged alloy, Elegant	19 x 8.5-inch alloy, Performance
Spare	Matching full sized alloy	Matching full sized alloy
Tires	235/55 R17	255/40 R19

STEERING

Type	Power-assisted, speed-sensitive, variable-ratio rack and pinion.	Power-assisted, speed-sensitive, variable-ratio rack and pinion.
Column Adjustment	2" reach, 5.0° rake.	2" reach, 5.0° rake.
Turning circle (curb to curb)	38 ft. 5 in.	38 ft. 5 in.

BODY CONSTRUCTION

Type	Aluminum monocoque, rivet bonded, magnesium cross car beam, steel suspension subframes.	Aluminum monocoque, rivet bonded, magnesium cross car beam, steel suspension subframes.
Door opening angles	62° Front, 65° Rear	62° Front, 65° Rear
Trunk opening angle	86°, power latching	86°, power latching

ELECTRICAL SYSTEMS

Type	Standard Corporate Protocol (SCP), Controller Area Network (CAN) and D2B Network for specific modules.	Standard Corporate Protocol (SCP), Controller Area Network (CAN) and D2B Network for specific modules.
Generator	Denso SC1 with intelligent charging and load management strategies, 130 amp output.	Denso SC1 with intelligent charging and load management strategies, 130 amp output.
Battery	90 amp hour, Silver Calcium	90 amp hour, Silver Calcium

EXTERIOR DIMENSIONS

Length	200.4 in.	200.4 in.
Height	57.0 in.	57.0 in.
Width	73.2 in. (without mirrors) 83.0 in. (including mirrors)	73.2 in. (without mirrors) 83.0 in. (including mirrors)
Track	Front: 61.3 in. / Rear: 60.9 in.	Front: 61.3 in. / Rear: 60.9 in.
Ground Clearance	5.1 in.	5.1 in.
Wheelbase (in.)	119.4 in.	119.4 in.
Curb weight	3806 lb.	3948 lb.
Permitted roof load	165 lb.	165 lb.

INTERIOR DIMENSIONS

Headroom	Front: 38.4 in. / Rear: 38.6 in.	Front: 38.4 in. / Rear: 38.6 in.
Shoulder room	Front: 58.3 in. / Rear: 58.3 in.	Front: 58.3 in. / Rear: 58.3 in.
Leg Room	Front: 43.1 in. / Rear: 38.7 in.	Front: 43.1 in. / Rear: 38.7 in.

CAPACITIES

Trunk	16.6 cu.ft.	16.6 cu.ft.
Fuel	22.5 gal.	22.3 gal.

THE NEW JAGUAR XJ



STANDARD AND OPTIONAL FEATURES

		XJ8	XJR
TRANSMISSION/SUSPENSION/BRAKES			
Air suspension	standard tune	S	N/A
	R Performance tune	N/A	S
	CATS (Computer Active Technology Suspension)	S	S
Brakes	Electronic Park Brake	S	S
	disc front and rear, vented	S	N/A
	Brembo, four-piston with silver painted callipers and Jaguar R logo	N/A	S
Drivetrain control	Dynamic Stability Control	S	S
	traction control	S	S
Transmission	6-speed electronic automatic	S	S
EXTERIOR FEATURES			
Chrome exterior pack	chrome window surrounds, trunk plinth, front grille surround and black grille vanes	S	N/A
Chrome exterior pack	chrome window surrounds, trunk plinth, front grille surround and chrome grille vanes (1)	0	N/A
Chrome exterior pack	chrome window surrounds, body colored trunk plinth, and front grille surround bright mesh grille insert	N/A	S
Exterior mirrors with ground illumination	power-adjustable, heated, electrochromic	S	N/A
	power fold back, heated, electrochromic (2)	0	S
Front fog lights		S	S
Headlights	automatic headlights	S	S
	halogen headlights	S	N/A
	headlight powerwash	0	0
	Xenon headlights (2)	0	S
Heated rear window with timer		S	S
Metallic paint		NCO	NCO
Park distance control	front	0	0
	rear	S	S
Rain-sensing windshield wipers		S	S
Moonroof	glass, electric tilt and slide with one-touch open/close	S	S
Wheels	light forged alloy 7.5" x 17" Elegant	S	N/A
	cast alloy 8" x 18" Dynamic (2)	0	N/A
	cast alloy 8" x 18" Luxury	A	A
	cast alloy 8.5" x 19" Performance	N/A	S
	2-piece BBS cast alloy 9" x 20" Sepang	N/A	0
	full size spare	S	S

THE NEW JAGUAR XJ



INTERIOR THEME, TRIM AND SEATING		XJ8	XJR
Classic interior theme	color keyed upper fascia, steering wheel, door top rolls and carpets, burr walnut veneer fascia and door trims	S	S
R interior theme	Warm Charcoal upper fascia and door top rolls, flint carpets, grey stained birds eye maple veneer fascia and door trims with R seats. (5)	N/A	0
Seats and trim	classic leather	S	N/A
	sport leather, perforated center pads	N/A	S
	R leather, interlock center pads (5)	N/A	0
	classic soft grain leather, ruched (1)	0	N/A
	Ivory leather (1)	0	N/A
Seats, front	electrically-adjustable, driver and front passenger	S	S
	variable heated cushion and backrest (3)	0	S
Seats, rear	head restraints x 2	S	S
	variable heated cushion and backrest (3)	0	S
	electric heated bench seat with individual power seat back adjustment, head restraints, lumbar support and front adjustment from rear (10)	0	0
Classic seats, leather	12-way driver and passenger with driver memory	S	N/A
	rear bench, fixed	S	N/A
Classic seats, soft grain leather, ruched	16-way driver and passenger with driver memory (1)	0	N/A
	rear electric bench	0	N/A
R seats, leather	16-way driver and passenger with driver memory	N/A	S
	rear bench, fixed	N/A	S
Steering wheels	wood/leather	S	S
	full burr walnut wood, heated	A	A
	wood/leather, heated (4)	0	S
Gearknobs	wooden	S	N/A
	R leather with chrome sides (Warm Charcoal only)	N/A	S

THE NEW JAGUAR XJ



		XJ8	XJR
INTERIOR FEATURES			
Air conditioning	automatic climate control	S	S
	4-zone temperature control (6)	O	O
	climate control particle/odor filter	S	S
Analogue clock		S	S
Cruise control	adaptive cruise control	N/A	S
	cruise control with steering wheel audio and telephone controls	S	S
Cupholders	front and rear, twin	S	S
Electric windows	front and rear with one-touch open/close	S	S
Floor mats	carpet	S	S
	lambswool rugs (1)	O	N/A
Foot pedals	electrically-adjustable with memory	S	S
Interior mood lighting		S	S
Power-assisted steering	speed-sensitive, variable-ratio	S	S
Power Points	4 (2 with cigar lighter)	S	S
Steering column	electrically-adjustable with memory and entry/exit function	S	S
Sunblind	side rear window, manual (6)	O	O
	rear window, electric (7)	O	S
Sunvisors	illuminated with vanity mirror, driver and passenger	S	S
Trip Computer	with twin function	S	S
AUDIO/COMMUNICATIONS			
Audio equipment	Jaguar sound system with single slot CD/radio, 8 speakers, EON, RDS, PTY, TA and AVC	S	N/A
	Alpine Premium sound system with 12 speakers, 320 watt output, DSP, power amplifier, subwoofers, single slot CD, fascia speakers (2)	O	S
	CD autochanger (6-disc capacity) (8)	O	S
	Cassette/radio (in lieu of single slot CD/radio)	A	A
JaguarVoice	front, voice control of audio, automatic climate control and, if fitted, telephone, navigation and TV with teletext (9)	A	A
Navigation	7 inch touch screen, DVD-based	O	O
Multimedia system	rear switchpack, dual 6.5 inch screens, DVD compatible	O	O
Telephone system	Motorola v60 (9)	A	A

THE NEW JAGUAR XJ



	XJ8	XJR
SAFETY		
Adaptive Restraint Technology System (A.R.T.S.)	S	S
Airbags	front, driver and passenger	S
	front side, seat mounted, driver and passenger	S
	side curtain	S
		S
Anti-lock braking system	S	S
Emergency brake assist	S	S
Energy absorbent seating system	S	S
First aid kit	A	A
High-level stop light	S	S
Rear view mirrors	electrochromic, with compass	S
Seat belts	pre-tensioners, front and rear	S
	belt minder	S
	rear child seat Isofix compatible	S
Warning triangle	A	A
SECURITY		
Security	security system with remote central locking - 2-stage unlock, drive away locking, engine immobilizer	S

S = Standard O = Optional at extra cost NCO = Optional at no extra cost N/A = Not available A = Accessory

All information correct at the time of going to press, Dec. 2002.

- (1) Included only within the optional XJ8 Premium Luxury Package
- (2) Optional on XJ8. Included within the XJ8 Premium Luxury Package
- (3) Optional on XJ8 as part of the Heated Seats Package. Included within the XJ8 Premium Luxury Package
- (4) Optional on XJ8, requires Heated Seat Package or Premium Luxury Package
- (5) Included only with the available XJR contrast color interior trims
- (6) Included only within the optional Warm Climate Package
- (7) Included within the optional XJ8 Warm Climate Package and XJ8 Premium Luxury Package
- (8) XJ8 is pre-wired for accessory installation.. Included within the optional XJ8 Alpine audio package and XJ8 Premium Luxury Package
- (9) All cars are pre-wired for accessory installation
- (10) Requires the optional Multimedia Package

Jaguar Cars North America, January 2003. All material correct at time of going to press. For further Jaguar press information please contact:

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