The new Jaguar XJS belongs to that rare breed of car created for those who place perfection beyond price. To say that in many respects it surpasses those few cars in its class, is an understatement.

The Jaguar XJS creates a class of its own. Even for a Jaguar, its performance is breathtaking.

From a standing start, the XJS achieves 60 mph in an arrogant 6.8 secs. It will accelerate from a standstill to 100 mph and then stop on the head of a pin, all within just over 20 seconds.

Maximum speed is in excess of 150 mph.

Yet the efficiency of its aerodynamic design and fuel-injected 5.3 litre V12 engine combine to produce competitive fuel economy in the region of 15-18 mpg.

Aerodynamic forces are harnessed to contribute quite dramatically to the extraordinary roadholding and stability of the XJS. In fact, every function has been re-examined to produce exclusive new designs worthy of the high performance of this, the pinnacle of Jaguar evolution.

These include the instrumentation, headlights, tyres and even telescopic bumpers, the first of their kind in Europe.

The seats too, inevitably set the standard for others to follow. And so silent is the XJS that it is amongst the world's quietest cars at any price.

The Jaguar XJS is at once a high performance car and a grand touring car which exceeds even the most aristocratic traditions of automotive comfort, safety and luxury.

No one but Jaguar could take you so fast and so far towards perfection.
The aerodynamic profile of the Jaguar XJS owes much to the flair of the late Malcolm Sayer, whose work was so successful on the famous sports racing Jaguars.

The airflow pattern has been specifically designed not merely to reduce drag, but to harness the aerodynamic forces to increase stability and hold the car down firmly on the road at high speeds.

New independent suspension marries new uprated anti-roll bars at front and rear, with a highly developed damper system at the rear.

The XJS handles sharp corners, bumpy roads and motorways in a way that no other car can match.

Whilst the precise accuracy of the power-assisted steering geometry is perfectly matched to fast new Dunlop SP Super Sports tyres.

Ask them a serious question on wet roads and they respond confidently. Yet they also offer an uncomplaining low rate of wear at continual high speeds.

Also developed for the XJS are the powerful new quartz halogen biode headlamps.

Designed specially by Cibie, they employ a system of auxiliary prisms and an outer lens to pierce the night far ahead with a spread of light that is both wide and long, for confident driving at high speeds.

They too, are the first of their kind in the world.
The high peaks of performance which distinguish the Jaguar XJS are rivalled only by the depth of comfort and refinement throughout its interior.

Ergonomic.
All four seats are of a new ergonomic design which contains you within its outer contours. The two front seats are fully adjustable and reclining. The steering column too is adjustable for your comfort. And whatever temperature you select is maintained automatically by the air conditioning within the XJS, regardless of the climate outside.

Yet the air at face level remains at a lower temperature, to prevent stuffiness and promote a cool head for fast driving.

The doors can be locked by a single central switch on the driver's console.
Electrically operated tinted windows, radio and heated rear window are standard.

Silence.
The XJS is demonstrably one of the world's quietest cars.
Sound and vibration are, to a large extent, engineered out of the Jaguar and road noise is reduced to a minimum by the unique suspension system.
Insulation and anti-vibration pads are used extensively throughout the interior.

Even the wiring through the bulkhead is designed to reduce the number of entries through which noise may pass.

Red Alert.
The impressive instrumentation of the XJS is contained in a single nacelle, clearly visible through the steering wheel. Instruments indicating fuel level, water temperature, oil pressure and battery condition are of a vertical, magnetic design for precise accuracy and reliability.
And no less than 18 mechanical and safety functions are monitored through a bank of coloured lights.
Red lights indicate major faults, such as brake failure. Amber lights denote secondary faults like brake bulb failure.
In case of failure, a large red or amber light appears, to alert you immediately.
The powerhouse of the XJS is the smooth Jaguar 5.3 litre V12 aluminium engine, with Lucas electronic fuel injection.

The extraordinary acceleration it produces is matched by very large, servo-assisted disc brakes at front and rear.

In just over 20 seconds, the XJS can accelerate from rest to 100 mph and then brake to a stop.

Every engine is individually bench tested before installation.

1. Low-speed impact bumper.
2. Cibie biode quartz-halogen headlamps.
3. Air dam and undershield.
4. Exclusively styled light alloy wheels with low-profile, wide tread, water expelling tyres.
5. Jaguar's 5.3 litre V12 engine with electronic fuel injection.
6. Power assisted rack and pinion steering with energy absorbing column.

And so efficient is the fuel injection that you can expect economy approaching 18 mpg from 97 octane (4 star) petrol.

However, at 150 mph you may care to reflect that safety is a dominating feature of the taut XJS design.

The solid foundation of this safety is a steel Monocoque body shell which exceeds all current and anticipated safety regulations. Intrusion barriers are built into the very wide doors. These and other safety features are paramount.

The boot is large, even by Jaguar standards. It is designed to meet rear impact requirements and accommodates as much luggage as XJ saloons.

The bumpers both front and rear are mounted on Menasco hydraulic struts, which absorb impacts of up to 5 mph without finching.

They are the first of their kind in Europe.

PASSenger Car Fuel Consumption Order 1977—Fuel Consumption Tests

The results of the officially approved tests for these models in miles per gallon and litres per 100 kilometers are as follows:

<table>
<thead>
<tr>
<th>Model</th>
<th>Urban Driving</th>
<th>Constant Speed 56 mph (90 km/h)</th>
<th>Constant Speed 75 mph (120 km/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>m.p.g.</td>
<td>1/100 km</td>
<td>m.p.g.</td>
</tr>
<tr>
<td>XJS Automatic</td>
<td>114</td>
<td>24.8</td>
<td>19.8</td>
</tr>
<tr>
<td>XJS Manual</td>
<td>108</td>
<td>26.2</td>
<td>21.4</td>
</tr>
</tbody>
</table>

Important Note
The results given here do not express or imply any guarantee of the fuel consumption of any particular car. Tests are not made on each car and there are inevitable differences between individual cars of the same model. Furthermore fuel consumption will be affected by particular modifications, by the driver's style and road and traffic conditions and by the extent to which a particular car has been driven and its standard of maintenance.

Information as to the result of officially approved tests on all cars tested is available for inspection by customers on any premises where these cars are displayed.
**Jaguar XJS Specification**

### Engine
- **Type**: Four-stroke, petrol engine - water cooled
- **Number of cylinders**: 12 in 60° Vee
- **Bore**: 90 mm
- **Stroke**: 70 mm
- **Capacity**: 5503 cc
- **Piston area**: 772.3 cm²
- **Compression ratio**: 9.6:1
- **Stoke:to-bore ratio**: 0.7:1

### Performance
- **Power**: 286 DIN HP at 5000 rpm
- **Torque**: 457 ft lb 286 (3044 x 3200) rpm

### Cylinder Block
- **Type**: Dock
- **Material**: Aluminum alloy LM 24
- ** Pistons**: Aluminum alloy solid split with combustion chambers in top
- **Piston rings**: Three - compression and one multi-cell of control
- **Crankshaft**: Three plane, seven main bearings, Tuffred manganese molybdenum steel

### Cylinder Heads
- **Material**: Aluminum alloy LM 25 WP
- **Camshafts**: Two - one per bank
- **Valve layout**: Single overhead camshafts operating bucket type tappets
- **Valve lift**: 96.25 mm
- **Valve diameter**: Intake: 35.0 - 0.35 mm; Exhaust: 35.0 - 0.35 mm
- **Valve timing**: Intake: 0.50 - 0.35 mm; Exhaust: 0.10 - 0.35 mm

### Sump
- **Type**: Steel press finished with internal baffles

### Lubrication
- **Type**: Pressure, internal and external gear with crossleaved type oil filter
- **Normal running pressure**: 43 kg/m²
- **Filter**: Full flow paper element

### Ignition
- **Type**: Lucas Coats EDL electronic
- **Firing order**: 1a, 6b, 4c, 2a, 1b, 5c, 2b, 4a, 6a, 1b, 6a
- **Ignition timing**: 200° BTDC at 3500 rpm
- **Spark plugs**: Champion N10Y 0.025 mm

### Injection
- **Type**: Lucas electronic manifold injection
- **Fuel injection manifolds**: Two 2-bore aluminum alloy

### Fuel System
- **Type**: Redundant
- **Pump**: Lucas electric permanent magnet
- **Fuel specification**: 97 octane - four star

### Electrical Equipment
- **Starter**: Negative
- **Alternator**: Lucas 2D 46R
- **Alternator capacity**: 60 amperes at 10000 rpm
- **Horns**: Twin Lucas self-rectifying

### Cooling System
- **Type**: Water pressurized, direct jet pump belt driven off crankshaft
- **Pressure**: 1100 kPa / 15 psi
- **Thermostat**: Two way type opening at 82°C
- **Fans**: Two electric fans with variable speed control and thermostatically controlled electric clutch driven

### Exhaust
- **Layout**: Four downpipes merge into two double skinned pipes, two main and two rear silencers
- **Evaporative loss**: Engaged air-inlet valve incorporated in the fuel tank to prevent vapours escaping from the separator canister to a closed compartment which is purged by manifold depression

### Transmission
- **Manual Gearbox**: 4-speed all synchromesh, Single dry plate
- **Clutch**: 340 mm
- **Clutch release**: 195 lbs
- **Automatic Gearbox**: GKN 8000
- **Torque converter**: 2:4
- **Ratios**: Manual: Automatic
  - 1st: 3.28:1 / 2.4:1
  - 2nd: 1.35:1 / 1.08:1
  - 3rd: 1.10:1 / 1.08:1
  - 4th: 1.00:1
  - 5th: 0.87:1
  - 6th: 0.64:1
- **Aerodynamics**: Overdrive
  - Manual: Automatic
  - 1st: 0.91:1
  - 2nd: 0.85:1
  - 3rd: 0.73:1
  - 4th: 0.67:1
  - 5th: 0.57:1
- **Brakes**: 10.31 in

### Suspension
- **Front suspension**: Fully independent semi-trailing wishbones and coil springs, Anti-dive geometry Girling Minimatic dampers, Anti-roll bar
- **King pin inclination**: 25° / 10°
- **Camber angle**: Positive / Negative
- **Alignment**: 1.25° - 1.35° negative
- **Springs - front rate**: 243 lbs
- **Anti-roll bar diameter**: 16.5 mm
- **Rear layout**: Lower transverse wishbones with anti-sway bars, Anti-roll bars, Girling Monobloc dampers, Anti-roll bar
- **Camber angle**: 4° / 4°
- **Anti-roll bar diameter**: 16.5 mm

### Wheels and Tyres
- **Wheels - type**: GKN Kent Alloy light alloy wheels in Jaguar design
- **Size**: 5Jx16 131 x 138 mm (15 in) diameter
- **Tyres**: Dunlop SP Super steel belted with black sidewall pattern
- **Size**: 205/70VR 15

### Steering
- **Type**: Ackerman assisted rack and pinion with energy absorbing column
- **Wheels - diameter**: 16.5 in
- **Tires - back to lock**: 2 turns
- **Overall ratio**: 13:1 with an 8 tooth pinion
- **Pump**: Saguaro rotary vane

### Body
- **Type**: All steel monocoque construction
- **Exterior features**: Complete all body protection
- **Bumpers**: Wrap-around front and rear bumpers consisting of a stainless steel bumper attached to the body with a stainless steel rubber cover designed to meet 5mph impact tests
- **Rear window**
- **Leather and head**: Doors are fitted with high anti-burst door locks with full length lock and door handle. Electrically operated central locking system
- **Side windows**
- **Transmission**

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**Note:** The above information is a partial text representation of the Jaguar XJS specification as described in the image. The full document contains detailed specifications and technical data that are not fully transcribed in this response.
### INTERIOR

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seating</td>
<td>Two fully-reclining front bucket seats with separate seat controls. Head restraints. Five additional rear bucket seats.</td>
</tr>
<tr>
<td>Upholstery</td>
<td>Seat covers trimmed in leather, vinyl, and cloth. Door trim is cloth or vinyl. Plastic, vinyl, or cloth panels. Interior trim is black or white.</td>
</tr>
<tr>
<td>Seat belts</td>
<td>Insel model and diagonal. Four full-length safety belts with shoulder restraints.</td>
</tr>
<tr>
<td>Interior equipment</td>
<td>Radio-cassette player and digital steering wheel. Combination meter panel with clock. Interior trim is black or white.</td>
</tr>
</tbody>
</table>

### ELECTRICAL EQUIPMENT

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruments</td>
<td>Instruments and warning lights set in facia panel in a compact self-contained unit in front of the driver.</td>
</tr>
<tr>
<td>Warning lights system</td>
<td>Dual system of warning lights with flashing hazard lights.</td>
</tr>
<tr>
<td>Horns</td>
<td>Two horn blasts. Two additional horn blasts.</td>
</tr>
<tr>
<td>Indicators (D)</td>
<td>Rear lights, turn signals, reverse lights.</td>
</tr>
<tr>
<td>Fog lights</td>
<td>Fog lights. Warning lights.</td>
</tr>
<tr>
<td>Fuel gauge</td>
<td>Fuel gauge.</td>
</tr>
<tr>
<td>Differential lock</td>
<td>Differential lock.</td>
</tr>
<tr>
<td>Tachometer</td>
<td>Tachometer.</td>
</tr>
<tr>
<td>Speedometer</td>
<td>Speedometer.</td>
</tr>
<tr>
<td>Battery voltage</td>
<td>Battery voltage.</td>
</tr>
</tbody>
</table>

### DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length</td>
<td>4.87 m</td>
</tr>
<tr>
<td>Overall height</td>
<td>1.29 m</td>
</tr>
<tr>
<td>Overall width</td>
<td>1.79 m</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>2.99 m</td>
</tr>
<tr>
<td>Front track</td>
<td>4.17 m</td>
</tr>
<tr>
<td>Rear track</td>
<td>2.51 m</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>0.85 m</td>
</tr>
</tbody>
</table>

### LUGGAGE COMPARTMENT

| Capacity              | 187 kg (400 lbs) |

### WEIGHT

| Weight                  | 885 kg (1960 lbs) |

### SUPERCOVER

Every new vehicle delivered to the buyer has been supplied with a comprehensive range of accessories and features that are unique to Jaguar Cars. These features include:

- **Supercover**
- **Superbeams**
- **Superflow**

**Supercover** is a comprehensive package that includes:

- **Superbeams**: Full-beam headlights that give you the best possible visibility in dark conditions.
- **Superflow**: Advanced airflow management system that reduces wind noise and improves fuel economy.
- **Supercontrol**: Electronic stability control system that helps maintain vehicle stability in all conditions.

**Superflow** offers superior aerodynamics and improved handling characteristics.

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**IMPORTANT NOTICE**

Jaguar Cars Limited is constantly working to improve the specification, design, and production of its vehicles. As such, specifications and production vehicles may differ from those shown on this brochure. It is recommended that you contact your local Jaguar Cars distributor for the most current information. This brochure should be regarded as an indicative guide to current specification, and it is not an offer for sale or any purchase contract.

For more information, please contact your local Jaguar Cars distributor.