

THE JAGUAR 3.4 AND 3.8 LITRE

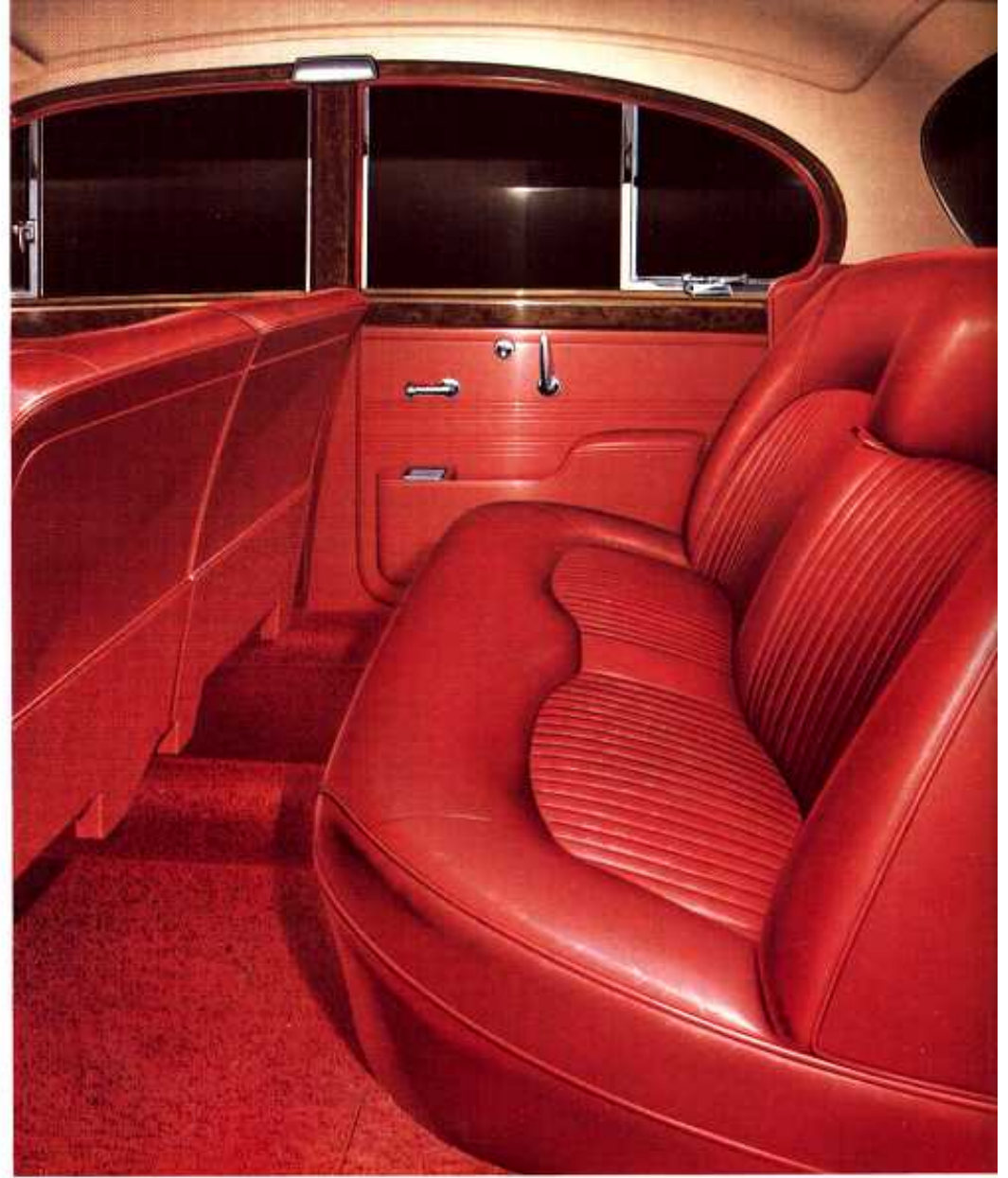


TYPE



Powered by the world famous XK twin overhead camshaft engine with twin carburettors and dual exhausts, the spacious and luxuriously appointed Jaguar 'S' Type offers that effortless high performance, which combined with its perfect road holding and built in safety provides "a special kind of motoring which no other car in the world can offer". With an unrivalled completeness of specification and a host of outstanding features, the Jaguar 'S' Type is available with either fully automatic transmission or all synchromesh gearbox – with or without overdrive.





**Luxury
and
Refinement
in
the
True
Jaguar
Tradition**

The Jaguar 'S' Type offers unrivalled luxury and comfort for five adults. Reclining front seats have adjustment for combined height and reach which, together with the adjustable steering column, enables every driver to select the most comfortable driving position. Front and rear seats, with centre folding armrests, are upholstered in finest quality material over deep foam rubber cushions. High quality carpets and thick felt underlay are fitted throughout. Another feature of the luxurious interior is the lavish use of figured walnut woodwork. The fascia panel contains comprehensive instruments and switches. A full width parcel shelf supplements the lockable glove compartment. Further space is provided by deep pockets in each door and a wide shelf adjacent to the rear window. A comprehensive heating and demisting system is provided with individual air flow controls to each side of the front compartment and separate ducting to the rear compartments. On manual transmission models, the gear change lever is mounted on the floor between the front seats; automatic transmission models (shown here) have the selector lever mounted on the steering column.

A wide and long boot of 19 cu. ft. usable capacity accommodates with ease the luggage of five people. The lid is counter balanced by torsion bars and is self supporting when open. The interior is fully trimmed to protect the luggage and is illuminated at night by a separate lamp. The spare wheel is carried in a separate compartment beneath the boot floor, together with a comprehensive tool kit in a specially shaped and fitted container.



The fascia panel contains a comprehensive range of instruments and switches. The speedometer and revolution counter are positioned immediately in front of the driver while the other instruments for water temperature, oil pressure, fuel tank contents and ammeter are mounted on a central panel which is hinged at its lower edge to provide quick access to the comprehensive fuse box and wiring. Each switch is individually labelled and illuminated at night. The steering column is adjustable for reach and the position indicator for the automatic transmission selector is clearly marked and illuminated. At night a dimming device automatically reduces the intensity of illumination.

S P E C I F I C A T I O N

ENGINE. 6 cylinder 3.4 litre Jaguar XK engine. 70° twin overhead camshaft driven by a two stage roller chain. 83 mm. bore x 106 mm. stroke. Cubic capacity 3442 c.c. (210 cu. ins.). Compression ratio 8 : 1. Develops 210 b.h.p. at 5,500 r.p.m. Twin S.U. type HD6 carburettors and double exhaust system.

6 Cylinder 3.8 litre Jaguar XK engine. 70° twin overhead camshaft driven by a two stage roller chain. 87 mm. bore x 106 mm. stroke. Cubic capacity 3781 c.c. (230.6 cu. ins.) Compression ratio 8 : 1. Develops 220 b.h.p. at 5,500 r.p.m. Twin S.U. type HD6 carburettors and double exhaust system. For countries where fuel specifications require a change in compression ratio, alternative ratios are supplied. Cooling by pump and fan with bypass thermostat control. Forced lubrication by submerged pump system incorporating full flow filter. Chrome iron cylinder block. Cylinder head of high tensile aluminium alloy with hemispherical combustion chambers. Aluminium alloy pistons. Steel connecting rods. 2½ ins. diameter counterweighted crankshaft carried in seven large bearings.

TRANSMISSION. (Manually operated gearbox). Four speed single helical synchromesh gearbox. Gear-change lever between front seats. Dry plate clutch with hydraulic operation. Sealed bearing propeller shaft. Hypoid rear axle. Final drive ratio 3.54 : 1.

TRANSMISSION. (Overdrive model). As above, with addition of a Laycock de Normanville overdrive controlled by a switch mounted on the steering column. Final drive ratio 3.77 : 1 (In overdrive—2.93).

TRANSMISSION. (Automatic transmission model). Borg Warner Automatic Transmission system with selector lever on steering column. Gear ratios : Low 8.47-16.94, intermediate 5.13-10.26. Direct top 3.54. Final drive ratio 3.54 : 1.

SUSPENSION. Front. Independent suspension incorporating semi-trailing wishbones and coil springs with telescopic dampers. Anti-roll bar between lower wishbones. Suspension assemblies and steering gear are mounted on a separate subframe which is itself located in the body by rubber mountings.

SUSPENSION. Rear. Fully independent rear suspension incorporating on each side, a lower transverse tubular link pivoted at the wheel carrier and sub-frame adjacent to the differential case and, above this, a half-shaft universally jointed at each end. These serve to locate the wheel in a transverse plane. Longitudinal location is provided by the rubber mountings locating the sub-assembly in the body structure and by a radius arm between the lower link and a mounting point on the body structure. Twin coil springs, each enclosing a telescopic hydraulic damper, provide the suspension medium. The whole assembly together with the differential unit is carried in an easily detachable sub-frame which is located in the body structure by rubber mountings.

BRAKES. Dunlop bridge type disc brakes featuring quick change pads with automatic adjustment for wear. Vacuum servo assistance. Self adjusting "pull up" type handbrake. Combined handbrake and brake fluid level warning light.

STEERING. Re-circulating ball type steering with 17 in. diameter two spoke steering wheel adjustable for reach. Left or right hand steering optional. Turning circle 33½ ft. Power assisted steering available as an optional extra.

WHEELS AND TYRES. Pressed steel bolt-on disc wheels fitted with Dunlop tyres. Wire spoke wheels available as an optional extra. Spare wheel and tyre.

FUEL SUPPLY. Two separate tanks—one in each rear wing—total capacity 14 gallons. Two electrically operated S.U. fuel pumps (one for each tank) controlled by change-over switch on instrument panel. The separate fillers to each tank remain hidden.

ELECTRICAL EQUIPMENT AND INSTRUMENTS. Lucas 12 volt battery. 60 amp/hour at 10 hour rate with current voltage control. Ventilated dynamo. Sidelamps. Sealed beam headlamps and foglamps, the former controlled by a foot operated dipswitch. Separate lever for actuating headlamp flashing. Separate stop/tail direction and reflector units mounted in a single assembly. Reversing lamp. Self-cancelling flashing

direction indicators with warning light. Instruments and labelled switches illuminated by internal flood lighting controlled by a 2-position dimmer switch. Concealed map reading lamp beneath screen rail in front compartment. Twin courtesy lights above the centre door pillars and a third lamp located above the rear window. All courtesy lights can be operated either manually by switch on instrument panel or automatically by any of the four doors. Cigar lighter with luminous socket. Twin blended windtone horns. Twin blade 2-speed self-parking windscreen wipers. Electrically operated windscreen washers. Interior illumination for luggage compartment. Starter motor. Vacuum and centrifugal automatic ignition advance. Oil coil ignition. 5 ins. diameter speedometer. 5 ins. diameter electrically driven revolution counter with electric clock. Ammeter, electrically operated oil pressure gauge, water temperature gauge, fuel gauge, combined handbrake and brake fluid level warning light.

BODY. All steel, four-door, five-seater saloon. Integral body-chassis construction providing maximum rigidity with minimum weight. Large zone-toughened windscreen with slim pillars and semi-wrapround rear window for maximum all-round visibility. Wide view rear mirror incorporating dimmed image position. Chromium-plated window frames to all doors. Chrome finishers on rain guttering and top of door waist rail. Seats upholstered in finest quality material over deep foam rubber cushions. Front seats fitted with combined height and reach adjustment and reclining squabs. Central folding armrests in front and rear seats. Polished figured walnut instrument panel features revolution counter and speedometer positioned directly in front of driver and separate instruments for oil pressure, water temperature, fuel gauge and ammeter. Instrument panel also contains, on the passenger's side, a glove compartment with an interior light and lockable lid. A large padded parcel shelf runs the full width of the car beneath the instrument panel and houses the heater temperature control in its forward edge. A separate housing beneath the instrument panel contains a radio and speaker (optional extras) together with a very large ashtray. When no radio is fitted, the speaker grille is retained and the radio control panel aperture is blanked off with an escutcheon. Two-spoke steering wheel and semi-circular horn ring. Front and rear doors incorporate large pockets and armrests, whilst the rear doors also contain ashtrays. Central folding armrest in rear compartment. Sun visors. Deep tufted pile carpets over thick felt underlay. Heavy duty wrapround bumpers with over-riders. "Zero-torque" door locks enable doors to be closed easily and quietly. Seat belt anchorage points are incorporated for both front and rear seats.

HEATING AND DEMISTING. Completely new fresh air heating system capable of high temperature and volume supply to front and rear compartments. Separate control regulates supply to rear compartment. Air intake vents and heater valves are vacuum servo operated. Two-speed fan controlled by switch on instrument panel.

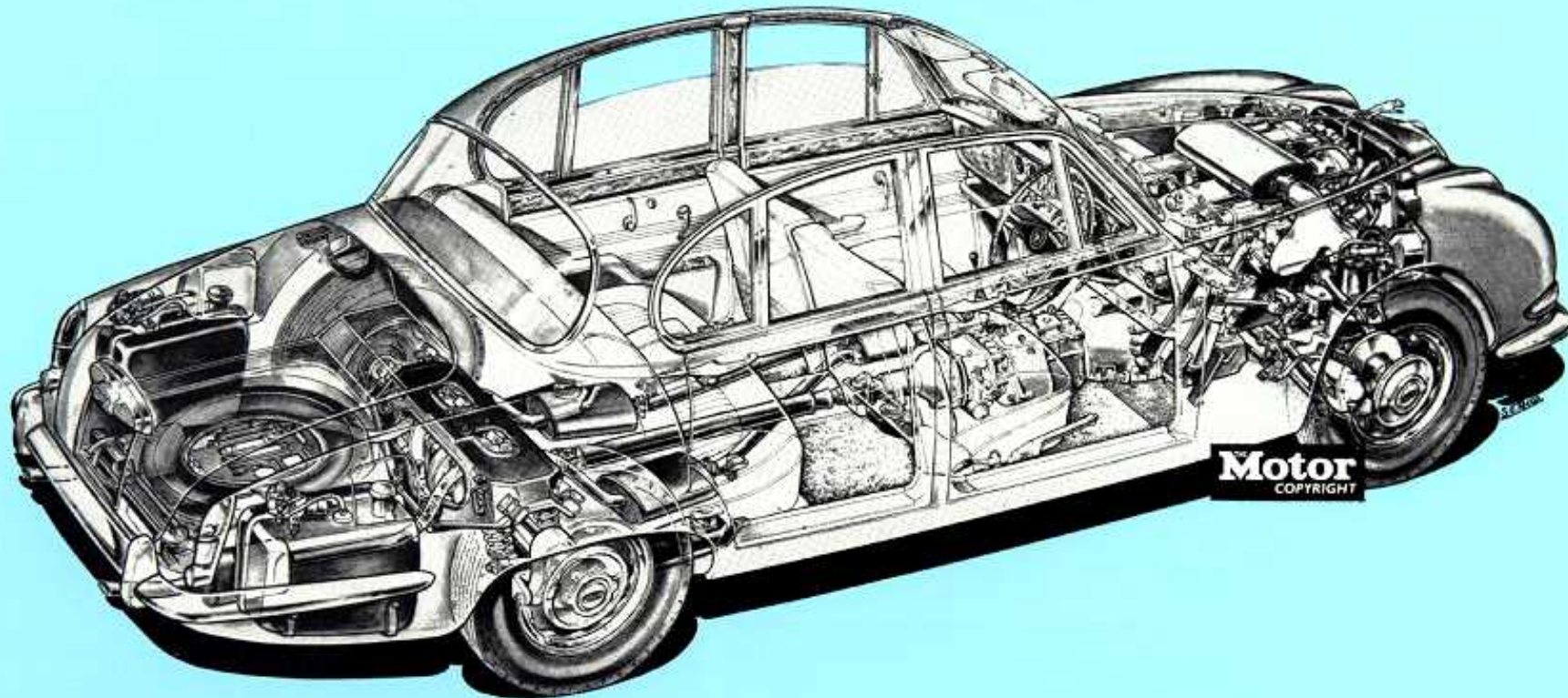
LUGGAGE ACCOMMODATION. Ample luggage accommodation is provided in a capacious compartment of 19 cu. ft. capacity. The lid is counter-balanced for ease of operation. Interior of compartment illuminated by night by a separate lamp. Compartment fully trimmed to protect luggage.

SPARE WHEEL AND TOOLS. The spare wheel is carried beneath the luggage compartment floor, in a separate compartment, and is readily accessible. The tools, in a special fitted and lined container, are housed in the spare wheel compartment. Jack and wheel brace (or wheel hammer on wire wheel models) housed in luggage compartment.

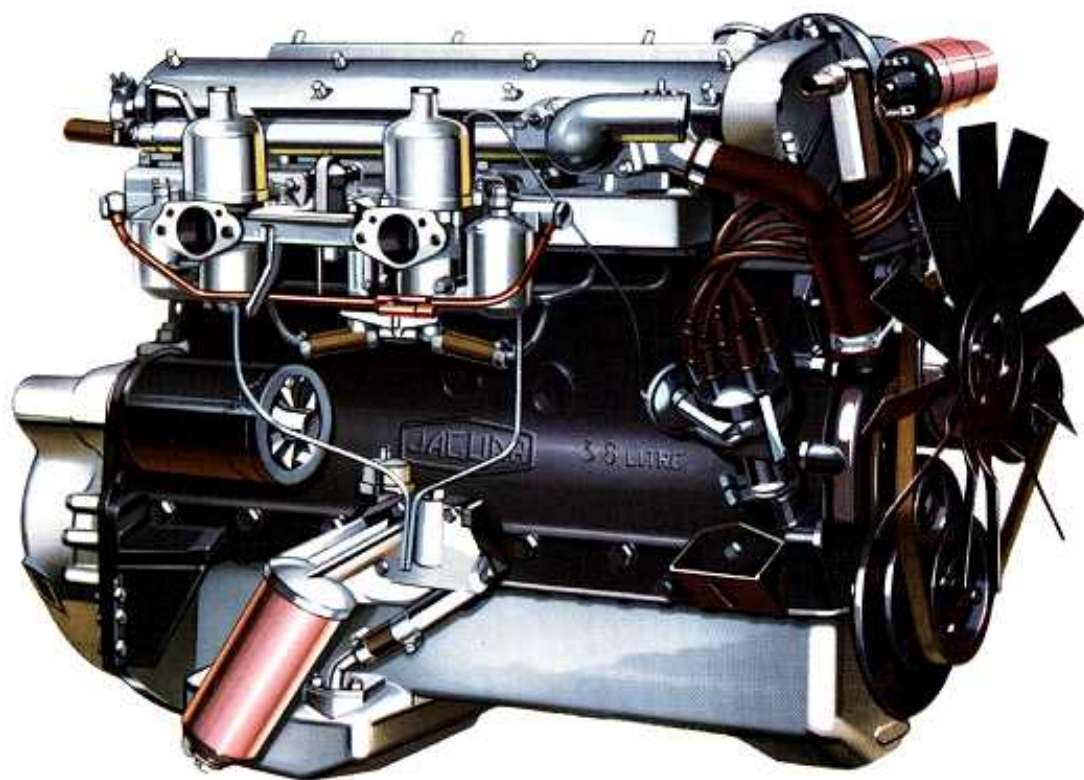
JACKING. Exterior jacking points, front and rear, enable the car to be lifted with the minimum of effort by means of the jack provided.

PRINCIPAL DIMENSIONS. Wheel base 8 ft. 11½ ins., track front 4 ft. 7½ ins., track rear 4 ft. 6½ ins. overall length 15 ft. 7½ ins., overall width 5 ft. 6½ ins.

Salient features of the Jaguar 'S' Model



- * Full five seater saloon, lavishly equipped and superbly finished.
- * Large luggage compartment giving an entirely unobstructed capacity of 19 cubic feet.
- * Individual front seats with combined adjustment for reach and height, reclining back rests and central folding armrest.
- * Shaped rear seats with central folding armrest, provide maximum comfort for two or three persons.
- * High efficiency fresh air type heating and demisting system providing a wide choice of settings.
- * Choice of 3.4 or 3.8 litre 6 cylinder XK engines.
- * Choice of manual change transmission—with or without overdrive—or fully automatic transmission.
- * Independent suspension and disc brakes on all four wheels.
- * Comprehensive instrumentation.
- * Large fuel tank capacity of 14 gallons, carried in two separate tanks.



The World Famous XK Engine

The Jaguar 6 cylinder twin overhead camshaft XK engine is acknowledged throughout the world as a perfect expression of engineering efficiency. Its high power output and extreme flexibility over a wide speed range, its proven durability and smoothness have endowed it with this world wide reputation—a reputation further enhanced by the many victories won by Jaguar cars in international rallies and races all over the world.

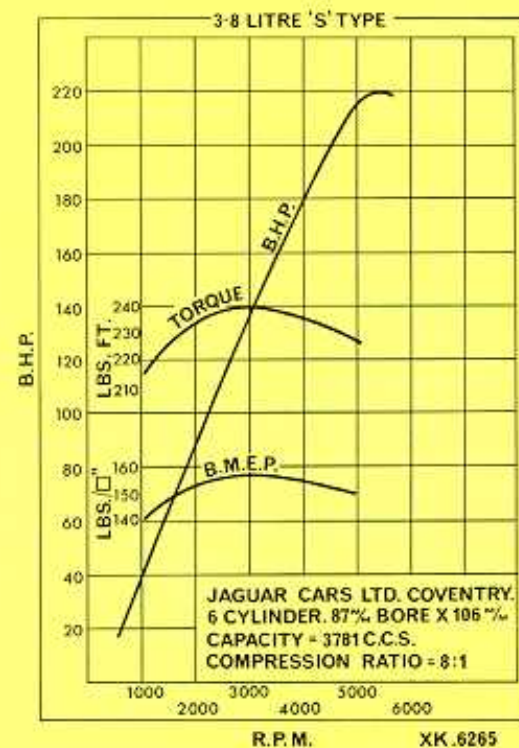
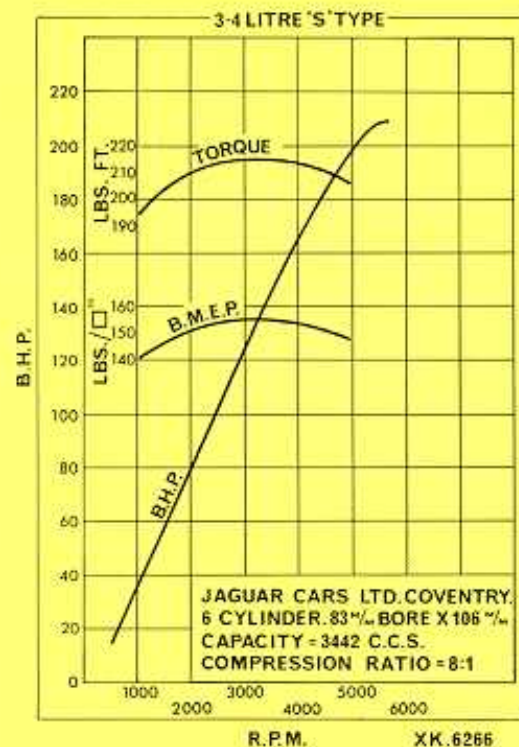
A choice of two XK engines is available for the Jaguar 'S' model, the 3.4 or 3.8 litre, comparative data for which is given below.

3.4 LITRE 'S' MODEL

| | |
|-----------------------|--|
| No. of cylinders | 6 in line. |
| Bore | 3.2677" (83 mm.). |
| Stroke | 4.1732" (106 mm.). |
| Capacity | 3442 c.c. (210.6 cu. ins.). |
| Compression ratio | 8 : 1 (7 or 9 : 1 optional). |
| Piston area | 50.32 sq. ins. (324.6 sq. cms.). |
| Max. B.H.P. at R.P.M. | 210 at 5500. |
| Max. Torque at R.P.M. | 215 ft. lbs. at 3000. (29.71 M.kgs. at 3000). |

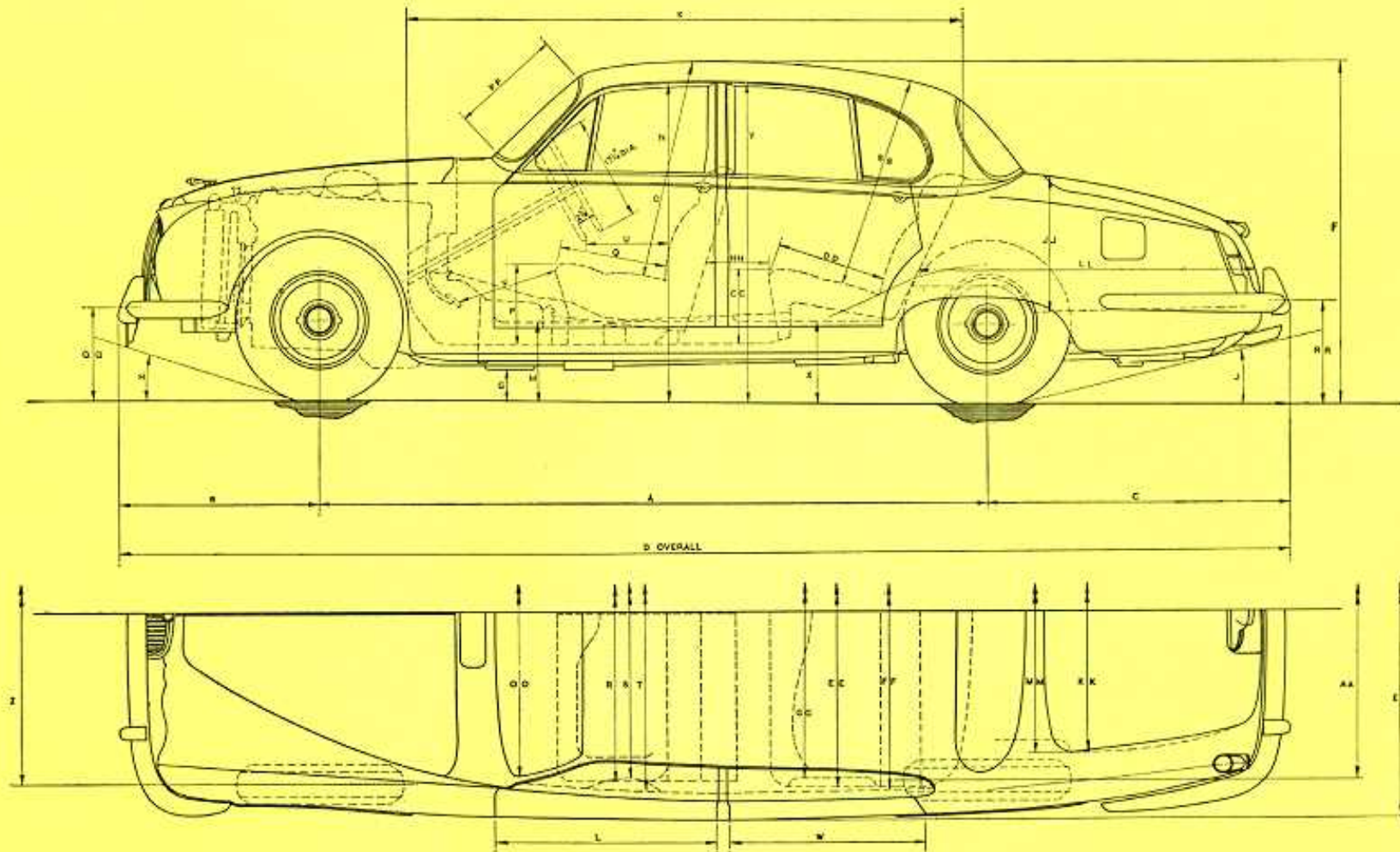
3.8 LITRE 'S' MODEL

| | |
|-----------------------|---|
| No. of cylinders | 6 in line. |
| Bore | 3.425" (87 mm.). |
| Stroke | 4.1732" (106 mm.). |
| Capacity | 3781 c.c. (230 cu. ins.). |
| Compression ratio | 8 : 1 (7 or 9 : 1 optional). |
| Piston area | 55.28 sq. ins. (356.6 sq. cms.). |
| Max. B.H.P. at R.P.M. | 220 at 5500. |
| Max. Torque at R.P.M. | 240 ft. lbs. at 3000. (33.2 M.kgs. at 3000). |





Jaguar 'S' Model General Dimensions



| | English | Metric | | English | Metric | | English | Metric | | | |
|---|-----------------------------|--------|-----|---------|-------------------------|-------|---------|--------|------------------------|----------------------------|------|
| A | Wheelbase | 107½ | 273 | Q | Seat depth front | 19 | 48 | FF | Shoulder room | 58 | 147 |
| B | Front overhang | 31½ | 81 | R | Seat width front | 54 | 137 | GG | Width between armrests | 52 | 132 |
| C | Rear overhang | 48½ | 122 | S | Width between armrests | 51 | 130 | HH | Knee room rear | 10½ | 26 |
| D | Overall length | 187½ | 477 | T | Shoulder room | 54 | 137 | JJ | Max. height trunk | 21 | 53 |
| E | Overall width | 66½ | 169 | U | Steering wheel to squab | 16 | 40 | KK | Max. width trunk | 45 | 114 |
| F | Overall height | 54½ | 138 | V | Pedal to seat cushion | 14-19 | 36-48 | LL | Max. depth trunk | 53 | 134 |
| G | Ground clearance unladen | 7 | 18 | W | Rear door opening width | 31 | 79 | MM | Width at trunk opening | 45 | 114 |
| H | Front clearance angle | 18° | 18° | X | Step height rear | 13 | 33 | NN | Capacity of trunk | 19 cu. ft. 538,019 cu. cm. | |
| J | Rear clearance angle | 14° | 14° | Y | Ground to top of door | 51½ | 130 | OO | Windscreen width | 49 | 124 |
| K | Passenger compartment | 89½ | 227 | Z | Track front | 55½ | 140 | PP | Windscreen depth | 16 | 40 |
| L | Front door opening width | 35½ | 90 | AA | Track rear | 54½ | 137 | QQ | Front bumper height | 14½ | 37 |
| M | Front door step height | 12½ | 32 | BB | Headroom rear seat | 35 | 89 | RR | Rear bumper height | 16½ | 41 |
| N | Ground to top of front door | 51½ | 130 | CC | Seat height rear | 12 | 30 | | Steering column angle | 29½° | 29½° |
| O | Headroom front seat | 36 | 91 | DD | Seat depth rear | 18 | 46 | | | | |
| P | Seat height front | 13½ | 34 | EE | Seat width rear | 57 | 145 | | | | |

Unless otherwise stated, all dimensions are in inches and centimetres, applicable to a laden car. (Front seat shown in mid position—5" adjustment. Wheels fitted 6.40 x 15 tyres—rolling radius 12.75.)

Colour Schemes

The colour schemes listed below are standard and any deviation involving special treatment of coachwork and/or upholstery will entail extra charge for which a quotation will be given at time of ordering.

| COACH WORK | INTERIOR COLOUR ALTERNATIVES |
|----------------------|---|
| CREAM | With each of the 6 paint finishes there is a choice of 4 alternative colours. |
| BEIGE | |
| WARWICK GREY | BLACK |
| BRITISH RACING GREEN | RED |
| DARK BLUE | BLUE |
| BLACK | BEIGE |

The issue of this catalogue does not constitute an offer. The specifications described in this publication vary for different countries and Jaguar Cars Ltd, reserve the right to amend specifications without notice.