



THE NEW JAGUAR

420



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

**ENGINE.** 6 cylinder, twin overhead camshaft, 4.2 litre 'XK' Jaguar engine, 92.07 mm. bore 106 mm. stroke (3.625" by 4.1732"). Cubic capacity 4235 cc. (258.43 cu. ins.). Compression ratio 8 : 1. Power output, 265 b.h.p. at 5,400 r.p.m., torque 283 lb. ft. at 4,000 r.p.m. Three S.U. carburettors, type HD.8, with automatic starting control. Ignition system, Lucas 12V coil, 6V distributor, 6V battery, 6V Lucas electronic ignition. The engine is a 'straight port' cylinder head of high tensile aluminium alloy featuring hemispherical combustion chambers and twin overhead camshafts operating large valves of 70° included angle. Aluminium alloy pistons. Steel connecting rods fitted with lead inlaid big-end bearings. The engine is controlled by thermoelectric control and viscous coupling fan.

**TRANSMISSION.** (Manually operated gearbox). Four-speed single helical all synchromesh gearbox. Gear change lever on floor between front seats. Gear ratios: 1st, 10.76; 2nd, 6.98; 3rd, 4.70; Top, 3.54; Reverse, 12.35. Laycock diaphragm clutch with hydraulic operation. Divided propeller shaft. Hypoid rear axle fitted with limited slip differential.

**TRANSMISSION.** (Overdrive model). As above, with addition of a Laycock de Normanville overdrive controlled by a lever mounted on the steering column. Gear ratios: 1st, 11.46; 2nd, 7.44; 3rd, 5.00; Top, 3.77; Overdrive, 2.93; Reverse, 13.16. Divided propeller shaft. Hypoid rear axle fitted with limited slip differential.

**TRANSMISSION.** (Automatic Transmission model). Borg Warner Model 8 automatic transmission with dual drive range D1/D2. Gear ratios: Low, 8.5/17.0; Intermediate, 5.16/10.32; Top, 3.54/7.08; Reverse, 7.08/14.16. Gear selector lever on steering column. Divided propeller shaft. Hypoid rear axle fitted with limited slip differential.

**SUSPENSION—FRONT.** Independent front suspension incorporating double wishbones and coil springs with telescopic shock absorbers. Anti-roll bar located between lower wishbones.

**SUSPENSION—REAR.** Fully independent rear suspension incorporating on each side, a lower transverse tubular link pivoted at the wheel carrier and subframe 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 by a radius arm between the lower control arm and a mounting on the body. An upper half shaft, which encloses a telescopic hydraulic damper, provides the suspension in the longitudinal direction. 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 disc brakes, featuring quick change pads are fitted to all four wheels. Front brakes fitted on wheel hubs, rear brakes fitted inboard of half shafts adjacent to differential unit. System is divided into two entirely independent hydraulic circuits to front and rear brakes. Operation is by suspended vacuum tandem type servo operated by a master cylinder and reaction valve. Handbrake with automatic adjustment operates on rear wheels only. Combined handbrake and brake fluid level warning light.

**STEERING:** Marles "Varamatic" variable ratio power steering. Ratio 21.5:1 in straight ahead position varying to 13:1 at full lock. 2.75 turns lock to lock. Power supplied by vane pump, incorporating its own fluid reservoir, and driven from front of crankshaft by separate belt. 17 in. diameter steering wheel adjustable for reach.

**WHEELS AND TYRES.** Pressed steel bolt-on disc wheels fitted with Dunlop 205 mm. x 14 in. SP.41 tyres and tubes.

**FUEL SUPPLY.** Twin petrol tanks—one in each rear wing—with total capacity of 20 gallons (91 litres). Filter incorporated in fuel line to carburettors. Twin S.U. electric pumps controlled by tank changeover switch mounted on fascia panel. Fuel gauge records contents of tank in use. The separate fillers to each tank are concealed beneath lockable covers.

**ELECTRICAL EQUIPMENT AND INSTRUMENTS.** Lucas alternator generator. 12 volt battery with negative earth system. 60 amp./hour at 10 hour rate with current voltage control. Sidelamps. Four headlamps controlled by foot-operated dip-switch. Separate lever for actuating headlamp flashing. Separate stop/tail, direction and reflector units.

mounted in a single assembly, win reversing lamps. Self-cancelling flashing direction indicator with warning lights. Instruments and labelled switches illuminated by internal floor lighting controlled by a two-position dimmer switch. Concealed map-reading lamp beneath screen rail in front compartment. Courtesy lights above the centre door pillar, and above the rear window, operated either manually by switch on the instrument panel or automatically by any of the door lock switches. Windscreen wipers with variable speed control. Windscreen wipers with variable speed control. Blended windtone horns. Twin blade, two-speed, self-parking windscreen wipers. Electrically operated windscreen washers. Pre-engaged type starter motor. Vacuum and centrifugal automatic ignition advance. Oil coil ignition, 5 ins. diameter speedometer incorporating total trip and distance recorder. 5 ins. diameter impulse driven revolution counter. 5 ins. diameter temperature gauge. 5 ins. diameter temperature gauge. Fuel gauge, combined handbrake and brake fluid level warning light, separate transmission oil level clock.

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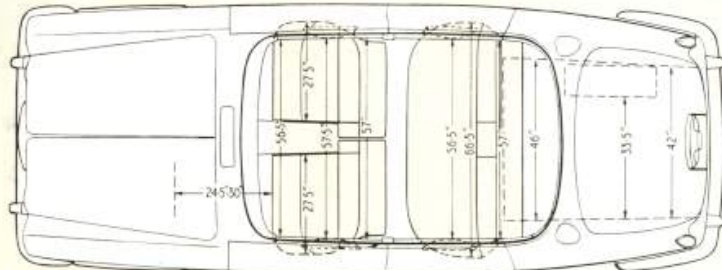
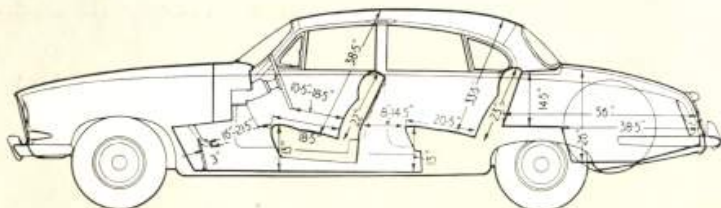
**HEATING AND DEMISTING.** Completely new fresh air heating system capable of delivering a large volume of air at high or ambient temperature. Individual controls for each side of car regulate temperature, volume and direction of air. Separate ducting to rear compartments. Air intake and temperature controls are servo operated. Twin 2-speed centrifugal blowers controlled by switch on instrument panel.

**LUGGAGE ACCOMMODATION.** Ample luggage accommodation is provided in an extremely large rear boot of 27 cubic feet capacity. Illumination is provided by an automatically controlled interior light operated by opening the boot lid, which is counterbalanced by torsion bars for ease of operation. Boot and spare wheel fully trimmed to protect luggage.

**SPARE WHEEL AND TOOLS.** The spare wheel is carried vertically in the luggage compartment and is readily accessible. A comprehensive set of tools is also supplied in a special container and this together with wheel changing equipment is fitted behind the spare wheel.

**JACKING.** Exterior jacking posts on each side enable the car to be lifted with the minimum of effort by means of the jack provided.

**PRINCIPAL DIMENSIONS.** Wheelbase 10 ft. (305 cm.), track front 4 ft. 10 ins. (147 cm.), track rear 4 ft. 10 ins. (147 cm.), overall length 16 ft. 10 ins. (510 cm.), overall width 6 ft. 4 ins. (192 cm.), overall height 4 ft. 6½ ins. (137 cm.), ground clearance 6½ ins. (16.5 cm.), turning circle 37 ft. (11.3 metres), kerbweight 35 cwt. (1778 kg.).



J A G U A R C A R S L T D . C O V E N T R Y . E N G L A N D

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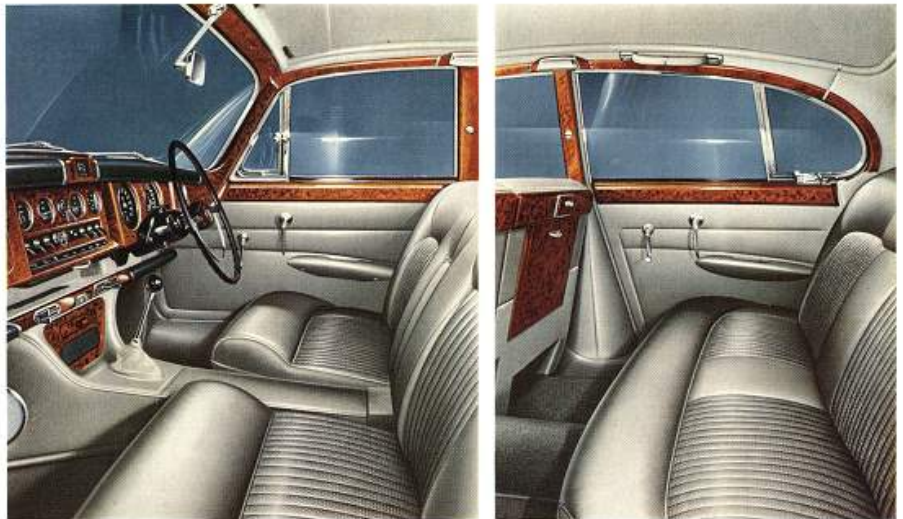
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## Salient Features . . .

- All steel body of Jaguar patented monocoque construction for maximum strength and rigidity.
- Full five-seater body, lavishly equipped, superbly finished, and comprehensively instrumented. New instrument panel styling features extensive use of protective padded surrounds.
- New chrome-plated "flashes" on body side.
- New design of radiator grille enhances the already imposing front end styling.
- New design of front seats provides high degree of lateral support without loss of ease of entry and egress.
- 27 cubic feet luggage space (excluding space for spare wheel, etc.).
- High efficiency heating and ventilating system, providing high air-flow—hot or cold—with variable selection for temperature, volume and direction.
- Advanced design of Jaguar 'XK' engine with capacity of 4.2 litre developing 265 B.H.P. and 283 lbs./ft. torque, to give outstanding acceleration and flexibility throughout the speed range.
- Engine cooling system incorporates a robust tube and fin radiator block for maximum reliability and high efficiency. Fluid drive speed control fan and improved design of water pump for more efficient air and water circulation and reduced fan power absorption.
- A.C. electrical system incorporates alternator to give increased current supply over a wide range of engine speeds, particularly during low speed city driving. Pre-engaged type starter motor to facilitate starting in extremely low temperatures.
- Improved exhaust system to further reduce noise level. Aluminised silencers reduce corrosion and greatly prolong silencer life.
- Choice of Jaguar designed and manufactured all-synchromesh manual gearbox (with or without over-drive) or Borg Warner Model 8 automatic transmission.
- Servo-assisted disc brakes on all four wheels give great power and light pedal pressures for maximum braking efficiency.
- Independent suspension on all four wheels.
- Marles 'Varamatic' variable ratio power steering, developed in conjunction with Jaguar engineers, gives normal ratio with small steering movement and higher ratio towards full lock. 2½ turns from lock to lock.

*Jaguar proudly announce the new 420'G', a spacious five-seater saloon which, in Jaguar tradition, offers the most comprehensive of specifications and the utmost in performance, safety and luxury.*

*With new styling features and interior refinements, fully independent suspension and disc brakes all round, and powered by the advanced design 4.2 litre version of the world famous 'XK' engine, the Jaguar 420'G' combines all the latest technical developments in a car of superlative qualities.*





# THE JAGUAR 420 'G'

a 4.2 litre luxury saloon with every conceivable refinement



Then examine the comfort of your surroundings. Armrests, picnic-tables, carpets, ventilation. All designed to put you at your ease. And if privacy is as important as comfort there's a limousine version with a sliding glass partition. We know you company directors like to keep your secrets.