



THE NEW JAGUAR

420





THE JAGUAR 420 'G'

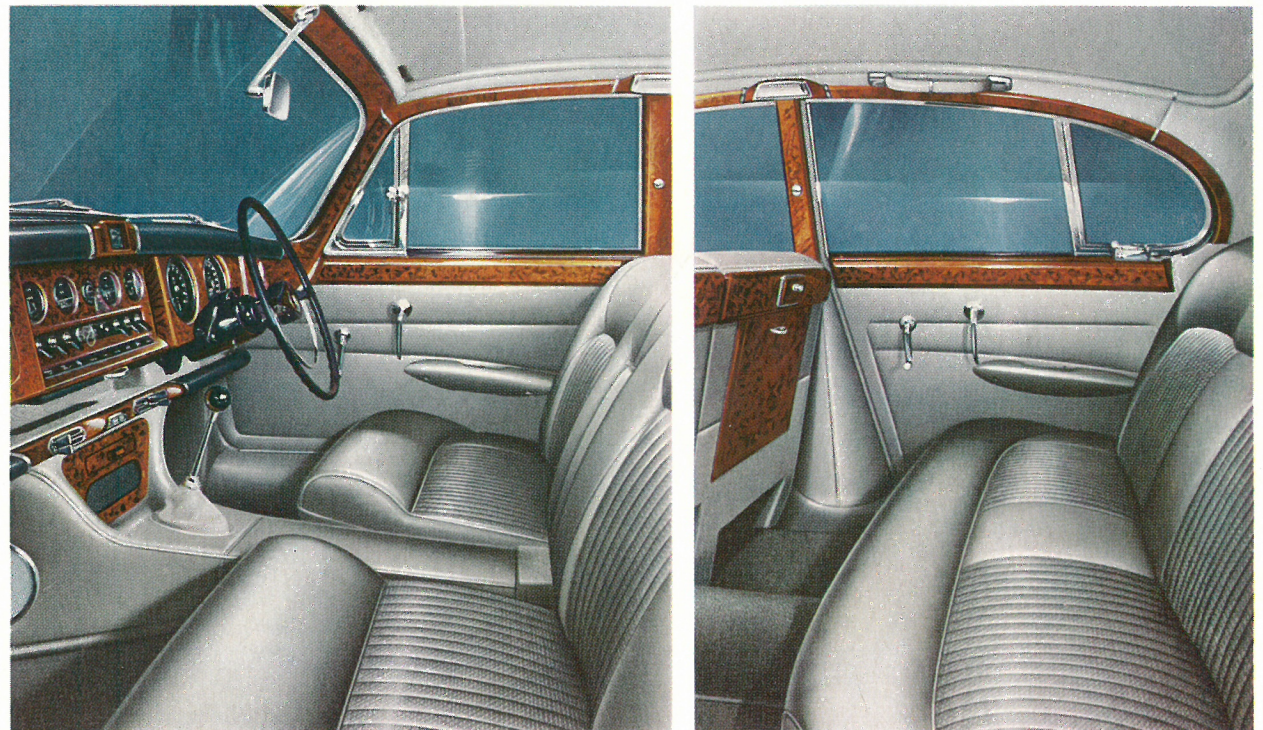
a 4.2 litre luxury saloon with every conceivable refinement

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. $2\frac{3}{4}$ 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.



JAGUAR

Grace...Space...Pace



BY APPOINTMENT
TO H.M. QUEEN ELIZABETH
THE QUEEN MOTHER
MOTOR CAR MANUFACTURERS
JAGUAR CARS LTD

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 c.c. (258.43 cu. ins.). Compression ratio 8 : 1. Power output, 265 b.h.p. at 5,400 r.p.m. Torque 283 ft./lbs. at 4,000 r.p.m. Three S.U. carburettors, type HD.8, with automatic starting control. Forced lubrication incorporating a full flow filter. Chrome iron cylinder block fitted with dry type cylinder liners. Special '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 indium big-end bearings. 2½ ins. diameter counterweighted crankshaft carried on seven large lead indium bearings. Pressurised cooling system with thermostatic 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 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 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. × 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. Twin reversing lamps. Self-cancelling flashing direction indicators with warning lights. Instruments and labelled switches illuminated by internal flood 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 four doors. Luggage boot illumination controlled by automatic switch. Cigar lighter with luminous socket. Twin-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. Ammeter, electrically operated oil pressure gauge, water temperature gauge, fuel gauge, combined handbrake and brake fluid level warning light, separate transistorised time clock.

BODY. All steel four-door five seater saloon of monocoque construction providing maximum rigidity with minimum weight. Large semi-wraparound windscreen with slim pillars and semi-wraparound rear window for maximum visibility front and rear. The semi-wraparound windscreen does not interfere with ease of entry and exit. Wide view rear mirror with dimmer control. Chromium plated window frames on all four doors, which are hinged at their forward end and fitted with check straps. Initial opening of doors assisted by use of torsion bars to front door and springs to rear doors. Special door handles incorporating push buttons designed to prevent freezing up in extremely cold conditions. Seats upholstered in finest quality Vaumol ventilated leather hide over deep Dunlopillo foam rubber cushions. Reclining type front seats, fitted with central folding armrests. Combined adjustment for height and reach. Seats incorporate flush-fitting tables and ashtrays in the backs of the squabs. Each table when opened reveals a large rectangular mirror. Padded safety screen rail incorporates centrally mounted transistorised clock. 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 contains on the passenger's side a glove compartment with interior light and lockable lid. A large parcel shelf runs the full width of the car and carries in its padded forward edge the heater controls. Map pocket on passenger's side below parcel shelf. Separate housing beneath the parcel shelf contains a radio and speaker (optional extra), and a 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 armrests. Central folding armrests in rear compartment. Sun visors. Deep pile carpets over thick felt underlay. Heavy duty wraparound bumpers with overriders. Counterbalanced, forward opening bonnet. Seat belt anchorages are incorporated for both front and rear seats.

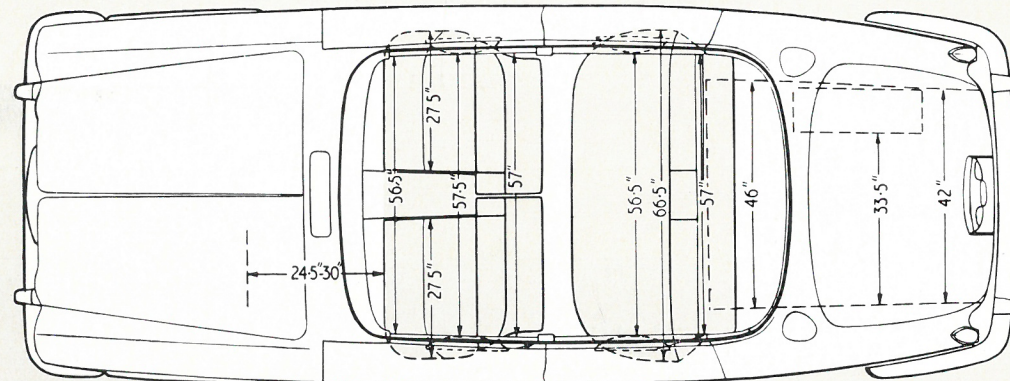
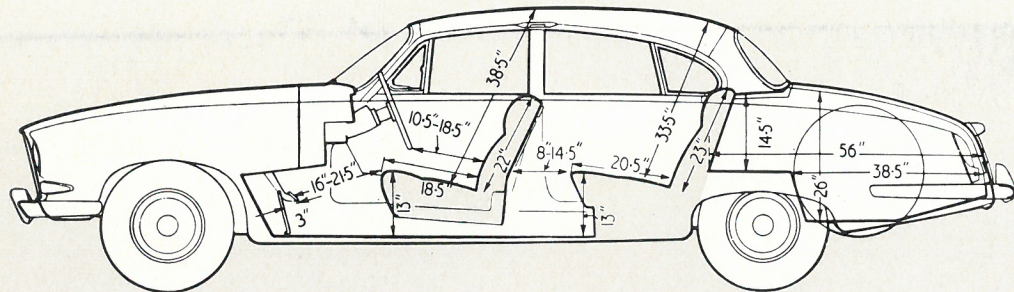
HEATING AND DEMISTING. Completely new fresh air heating system capable of delivering a large volume of air at high or ambient temperature. Individual controls for each side of car regulate temperature, volume and direction of air. Separate ducting to rear compartments. Air intake and temperature controls 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), kerbside weight 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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