The

4.2 LITRE MARK TEN JAGUAR
NEW 4.2 LITRE MARK TEN SALOON

joins the famous range of Mark Ten, 'S' model, Mark 2 and 'E' Type Jaguars
NEW EFFORTLESS BRAKING. New brake servo gives lower effort and greater power for the disc brakes on all four wheels. Separate fluid system for front and rear.
In response to a worldwide demand, Jaguar proudly introduce into the present range a new more powerful model—The New 4.2 litre Mark Ten Saloon. A new 4.2 litre XK engine of advanced design steps up performance to an entirely new level.

Other important technical advancements include New Automatic Transmission, New all synchronesh Manual Gearbox, New Power Steering (exclusive to Jaguar), New effortless braking, New interior heating, New cooling system, Alternator and Pre-engaged starter—all of which still further improve that "special kind of motoring which no other car in the world can offer."

At the same time, all the characteristics which have made the Mark Ten world famous have been retained—all round independent suspension, 4 wheel disc brakes spacious seating for five, fine leather upholstery, folding armrests, reclining front seats, folding tables, deep pile carpets and a host of traditional Jaguar refinements.

NEW POWER STEERING. Marelli 'Varamatic'. Bendix power steering, developed in conjunction with Jaguar engineers gives normal ratio at small steering movement, rapidly reducing on locks, ensuring an accuracy of response at high speed, never before possible, with only 2½ turns from lock to lock, finger light parking.

NEW AUTOMATIC TRANSMISSION. Borg Warner Model 8 automatic transmission, specially developed, extensively tested and proven—to match higher torque of new Jaguar 4.2 engine. Smoother shifts and manual selection of first or second gear starts.

NEW SELECTIVE CAR TEMPERATURE CONTROL. Higher air flow, hot or cold, with variable selection for temperature, volume and direction. New water circulation gives more rapid warm up.

NEW COOLING SYSTEM. A robust tube and fin block for reliability and high efficiency, combined with a revised circulation, gives added safety in hot climates or at high altitudes. A fluid drive speed control fan and modified water pump improves air and water circulation and reduces fan power absorption.

NEW ALTERNATOR. Alternator now gives greatly increased current supply over wide range of engine speeds, ensuring adequate current supply—even with city driving—for the extensive electrical service now embodied.
WITH THE MOST COMPLETE AND LUXURIOUS SPECIFICATION EVER OFFERED
SPECIFICATIONS

ENGINE. 6-cylinder, twin overhead camshafts, 4.6-litre XK Jaguar engine. 97.97 mm, bore × 106 mm, stroke (6.325 × 4.1732), cubic capacity 423.3 cc (258.39 cu. in.). Compression ratio 9:1. Power output: 255 bhp at 5,900 rpm. Torque 375 lb. ft. at 4,000 rpm. This S.I. carburetters, type HDS, with automatic starting control. Forced lubrication incorporating a full-flow filter. Chrome iron cylinder heads fitted with dry type cylinder liners. Special straight-port cylinder head of high tensile aluminium alloy featuring lightweight combustion chambers and twin overhead camshafts operating large valves of 76 mm included angle. Aluminium alloy pistons. Steel connecting rods fitted with moulded steel bearings. 20 in. diameter counterweighted crankshaft carried on seven large oil-lubed bearings. Pressurised cooling system with thermostatic control and viscous coupling fan.


TRANSMISSION. (Automatic transmission model). Borg Warner Model 8 automatic transmission with dual drive range 1/D, 2/D. Gear ratios: Low 3.31; intermediate 5.14; Top 3.26; Reverse 7.18. Gear selector lever on steering column, Divided propeller shaft. Hydropneumatic 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 and a mounting point on the body structure. Twin coil springs, each enclosing a telescopic hydraulic damper, provide the suspension modulus. The wheel assembly together with the differential unit is carried in an easily detachable sub-frame which is bolted into the body structure by rubber mountings.

BRAKES. Dunlop bridge-type disc brakes, featuring quick change push rod are fitted to all four wheels. Front brakes fitted on wheel hubs, rear brakes fitted into hub of half shaft adjacent to differential unit. Suggested vacuum servo type operates a tandem master cylinder. System is divided into two entirely independent hydraulic circuits up to front and rear brakes. Handbrake with automatic adjustment operates on rear wheels only. Brake fluid warning light operates on both systems, and is also actuated by release of handbrake.

STEERING. Marks 'Varamatic' variable ratio power steering. Ratio 21.3:1 in straight ahead position varying to 15:1 at full lock. 7.5 turns lock to lock. Power supplied by same 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. SF.41 tyres and tubes.

FUEL SUPPLY. Twin petrol tanks—one in each rear wing—with total capacity of 26 gallons (91 litres). Filter incorporated in fuel feed to lubricate. Smoke S.I. electric pumps controlled by tank switch operated by foot. Fuel gauge and warning lights housed in right-hand front footwell. Fuel gauge and warning lights housed in right-hand front footwell.

ELECTRICAL EQUIPMENT AND INSTRUMENTS. Lucas alternator generator. 12 volt battery with negative earth system. 90 amp. or 100 amp. at 80 foot miles with current voltage control. Side-light lamps. Headlight lamps controlled by foot-operated dip-switch. Separate lever for actuating headlight flashing. Separate stoplight, direction and reflector units mounted in a single assembly. Two reversing lamps. Self-rotating flashing direction indicators with warning lights. Instruments and labels situated illuminated by external flood lighting controlled by a two-speed automatic dimmer. Combined rear window wiper and screen wiper in top compartment. Courtesy lights above the centre door pillar, and above the rear window, operated manually by switch on the instrument panel or automatically by any of the four doors. Liquid bath illuminated by control switch on central console. Indicator lamp fitted with automatic Yours, 2-wire pressure gauge, water temperature gauge, fuel gauge with warning light, combined handbrake and brake fluid level warning light.

BODY. All steel four-door, five-seater saloon of monocoque construction providing maximum rigidity with minimum weight. Semi-round wrap-round windscreen with slim pillars and semi-wrap-round rear window for maximum visibility front and rear. The semi-wrap-round 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 angled at their forward end and fitted with check strips. Initial opening of doors assisted by use of towing bars to front door and similar to rear doors. Special door handles incorporating push buttons designed to prevent freezing up in extremely cold conditions. Seats upholstered in grey fabric. Upper half of seats fitted with armrests. Combined adjustment for height and reach. Seats incorporate flash-fitting tables and ashtrays in the backs of the seats. Each table above conveys a safety belt. Polished finished wooden instrument panel features rev 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 removable transparent light and lockable lid. A large rubberised quarter panel is fixed to the left side of the car and carries in its forward edge the heater controls. Map pockets on passengers side below parcel shelf. Separate rubberised quarter panel containing a radio and speaker with optional extra, and a large ashtray. When no radio is fitted, the speaker grille is retained and the control panel bottom line of the ashtray. Two-spoke steering wheel and semi-circular horn ring. From front and rear doors incorporate armrests. Central folding armrests in rear compartment. Sun visor. Wide deep carpet over hint deck fitted with headrests. Heavy-duty rubberized bumpers with overriders. Counterbalanced, forward opening bonnet. Seat belt anchorage is incorporated for both front and rear seats.

HEATING AND DEMISTING. Completely fresh air heating system capable of delivering a large volume of air at high or ambient temperature. Individual controls for each side, seat temperature, volume, and direction of air. Separate ducting to rear compartments. Air intake and temperature controls are servo operated. Twin 2-speed centrifugal blower connects by ducting to all compartments inside the body.

LUGGAGE ACCOMMODATION. Ample luggage accommodation is provided in an extremely large boot of 27 cubic feet capacity. Illumination is provided by an automatically controlled interior light operated by opening the boot lid, located on the hinge bar of the right-hand rear door. Boot and rear quarter window Papier are fitted to protect luggage.

SPARE WHEELS AND TOOLS. The spare wheel is carried vertically in the luggage compartment and it is readily accessible. A complete set of tools is supplied, including a portable jack. A carrying case is also supplied in a special compartment, and this together with wheel changing equipment is fitted behind the spare wheel.

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

PRINCIPAL DIMENSIONS. Wheelbase (8 ft. 305 cm), track front 4 ft. 4 in. (147 cm), track rear 4 ft. 10 in. (147 cm), overall length 16 ft. 6 in. (508 cm), overall width 6 ft. 9 in. (180 cm), overall height 6 ft. 6 in. (177 cm), ground clearance 6 ft. 6 in. (16.5 cm), turning circle 37 ft. (11.3 metres), kerbside weight 357 (228 kg).

JAGUAR CARS LTD   •   COVENTRY   •   ENGLAND

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