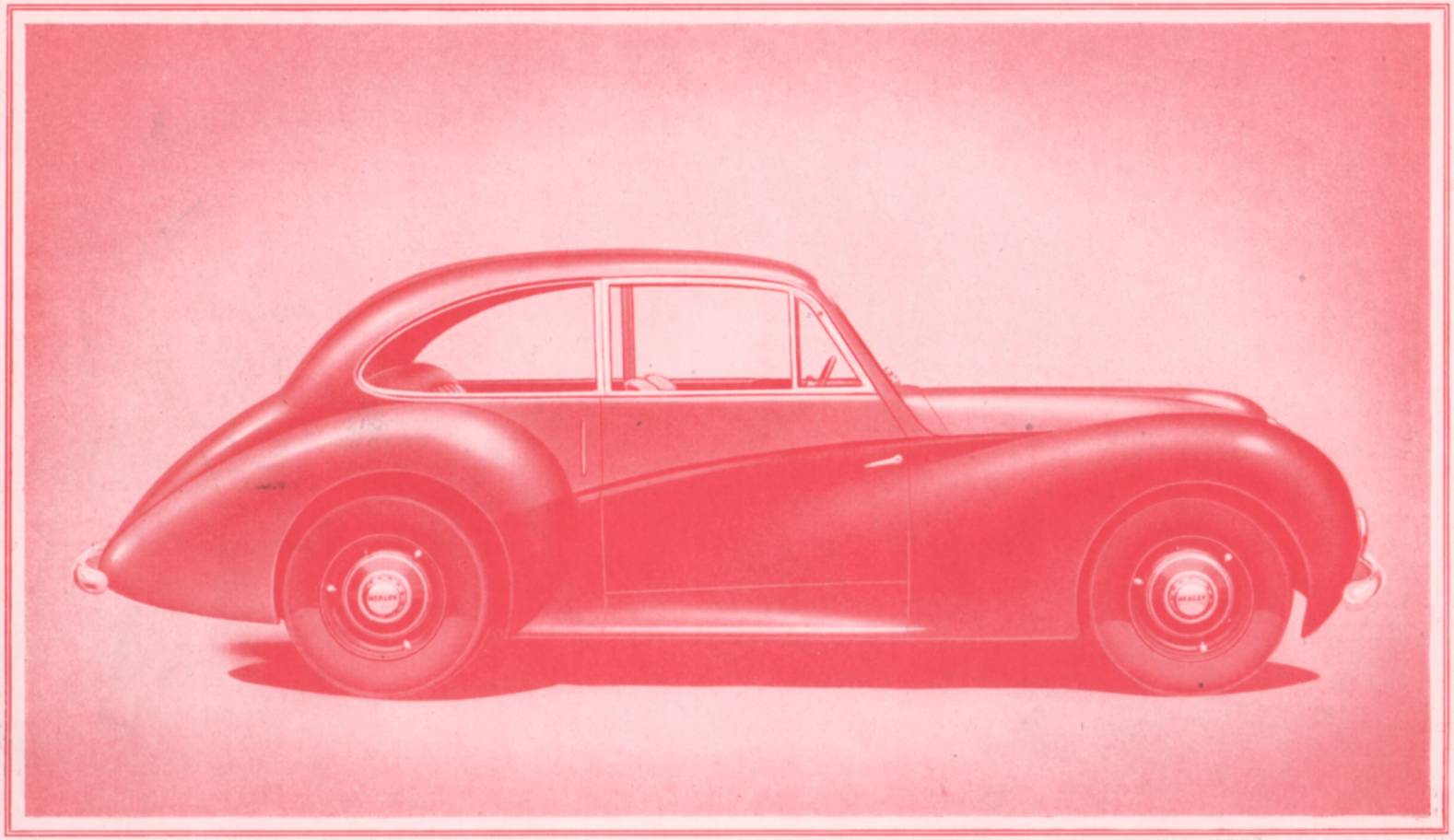

2.4 litre **HEALEY** *Saloon*

2.4 LITRE SALOON SPECIFICATION

ENGINE. Manufactured by RILEY (Coventry) Ltd. Four-cylinder in line. Bore 80.5 mm. (3.16-inch) x Stroke 120 mm. (4.7-inch). 2,443 c.c. (140 c. inch). R.A.C. rating, 16.07. **Mounting**—On scientifically positioned rubber pads. **Crankshaft** of special design, counterbalanced. 2¼-inch diameter bearings. **Cylinder Head**—Detachable. Hemispherical fully machined combustioned chambers. "Straight-through" ports. **Valves**—O.H.V., 2 per cylinder at 90 degs. Of silicon-chrome steel. Push rod operated. **Connecting Rods** of special alloy steel. **Pistons**—Aluminium Alloy with large diameter gudgeon pins. **Camshafts**—Two high-level. Roller chain driven with automatic tensioner. **Lubrication**—Forced throughout. Positively driven high capacity pump, circulation through filter. Large size Light Alloy sump. **Ignition**—By coil and distributor with automatic and manual advance and retard. **Cooling**—Sealed pressure type. Circulation by pump and thermo-syphon with by-pass thermostat control. "Cross-flow" cooling in cylinder head. **Carburation**—Two horizontal S.U. carburetters, specially tuned and with manual choke and throttle control. Special air silencer. **Exhaust system**—Special design for minimum back-pressure with Light Alloy tail pipe.

FRAME. Scientifically designed of immense strength, for light-weight. Box section throughout. Straight side-members, 6-inch deep. "Cruciform" bracing.

SUSPENSION. Front—Independent of "Trailing Link" type incorporating vertical coil springs and large pressure-recuperating hydraulic dampers. **Rear**—Vertical coil springs and large pressure-recuperating hydraulic dampers mounted on light rigid banjo type rear axle.

TRANSMISSION. Clutch—Borg and Beck single plate 9-inch air-cooled. **Gearbox**—Four-speed and reverse. Synchro-mesh on second, third and top. Remote control central change speed lever. Accessible filling orifice with dip stick. Gear ratios—Top 3.5, 3rd 4.963, 2nd 7.542, 1st 12.761, Reverse 12.761. **Rear Axle**—Torque tube type with constant velocity needle roller bearing double universal joint. Axle located against side thrust by radius arm on rubber bushes. Oil filling orifice incorporates oil level.

BRAKES. 11-inch x 1¾-inch. Front, Lockheed Two-leading Shoe. 10-inch x 1¾-inch Rear. Hydraulic on all four wheels. Handbrake operates rear wheels only via cables. Large nickel chromium alloy ribbed drums.

STEERING. Exclusive steering layout (patented). Light yet positive at all speeds. "High-efficiency" type gear. Rake of column adjustable. Large diameter thin rim spring steering wheel.

WHEELS AND TYRES. Dunlop Special light disc wheels, extra wide base. All wheels balanced. **Tyre equipment**—Dunlop Extra Low Pressure, size 5.75 x 15.

FUEL SYSTEM. 14-gallon rear mounted petrol tank with concealed filler. Twin electric pumps. Independent 2-gallon reserve supply with dash warning device.

ELECTRICAL EQUIPMENT. Lucas "Specialised" equipment throughout. 12-volt set with automatic voltage control and ventilated dynamo. 63 amp. hr. battery in scuttle. Special fully-recessed powerful headlamps. Foot-operated dipper switch. Two built-in Fog or Pass Lights incorporating side lamps. Built-in twin tail lamps. Stop and Reversing Lights. Twin blended note wind-type horns. Twin-blade self-parking silent screen wipers. Adjustable, concealed instrument lighting. Self-cancelling "trafficators." Interior light.

INSTRUMENTS. 5-inch 120 M.P.H. speedometer. 5-inch revolution counter, ammeter, oil pressure gauge, electric petrol gauge, water temperature gauge, electric clock, petrol reserve and Alpine warning light.

UPHOLSTERY AND CARPETING. All seats upholstered in best quality water-proofed Vammol Hide on Dunlopillo and anatomically designed spring cases. Front seats fully adjustable. High quality floor carpeting with thick felt underlays.

SPARE WHEEL AND TOOLS. Spare wheel carried in rear locker with wheel-changing tools. Other tools accommodated in scuttle.

JACKING SYSTEM. Both wheels on either side may be raised clear of the ground with minimum effort from within the car in 15 seconds by the special "Bevelift" Jack.

BODY DETAILS. Aerodynamic shaped body. Fully coach-built with seasoned hardwood and Magnesium Aluminium Alloy panels. Wings, valances and bonnet also in Light Alloy. **Bonnet**—Alligator type, incorporating special safety lock. Locks for bonnet and rear locker operated from within the car.

SALOON EQUIPMENT. No draught ventilators. Curved anti-dazzle rear light. Drop winding windows, curved to allow narrow section doors. Large parcel shelf under dash. Built-in grab rail. Ash trays. Efficient rear mirror. Ample luggage accommodation in rear locker. Sliding sunshine roof.

PRINCIPAL DIMENSIONS.	Ft.	In.		Ft.	In.
Wheel Base	8	6	Overall Length	14	1
Track—Front	4	6	Width	5	5
Rear	4	5	Height	4	10
Ground Clearance		7	Dry Weights (approx.)	21	cwt.

COLOUR RANGE. The colour schemes listed here are standard, and any deviations involving special treatment of exterior or upholstery will entail an extra charge. The cost being forwarded on application.

EXTERIOR Silver-Grey
Black

INTERIOR Red
Red or Brown

The Company reserves the right to alter or amend this Specification without previous notice.