

ARIEL



Model HS Mark 1

500 c.c. SCRAMBLES RED HUNTER

SPECIFICATION

TECHNICAL DATA

WHEELBASE	56"
OVERALL LENGTH	84"
HANDLEBAR WIDTH... ..	27½"
DUALSEAT HEIGHT	31"
GROUND CLEARANCE	6½"
WEIGHT DRY	318 lb.
ENGINE B.H.P.	34
ENGINE R.P.M.	6,000
COMPRESSION RATIO... ..	9.1
GEAR RATIO, TOP	6.02
GEAR RATIO, THIRD	7.9
GEAR RATIO, SECOND	10.2
GEAR RATIO, FIRST	16.1
ENGINE SPROCKET	18 tooth
ALTERNATIVE	
SPROCKETS AVAILABLE	17-24 tooth

Engine. Vertical O.H.V. 81.8 x 95 mm. = 497 cc. (3.22 x 3.74 = 30.4 cubic inches). Aluminium alloy cylinder barrel with nickel iron liner. Aluminium alloy cylinder head with valve seat inserts. Ground and polished inlet and exhaust ports. Polished flywheels, connecting rod and rockers. Super sports cams. Compression ratio 9.1. Amal "Monobloc" carburettor fitted with large capacity air cleaner. Straight through exhaust pipe. Certificate of performance, including bench test report, supplied with machine.

Lubrication. Dry sump. Oil circulated by dual plunger pump from separate oil tank, ½ gallon capacity.

Ignition. Magneto (Lucas waterproof).

Frame. Duplex cradle type, fully triangulated, combining light weight with strength and rigidity. Swinging arm rear suspension with hydraulic damping. Rubber bushed pivots.

Forks. Telescopic with hydraulic rebound and bump damping. Bearing surfaces automatically lubricated. Steering damper incorporated.

Transmission. Engine shaft shock absorber. Front chain ½" x .305" in polished aluminium oilbath chaincase. Rear chain ¾" x ¾". Four speed close ratio gearbox with three fabric clutch plates.

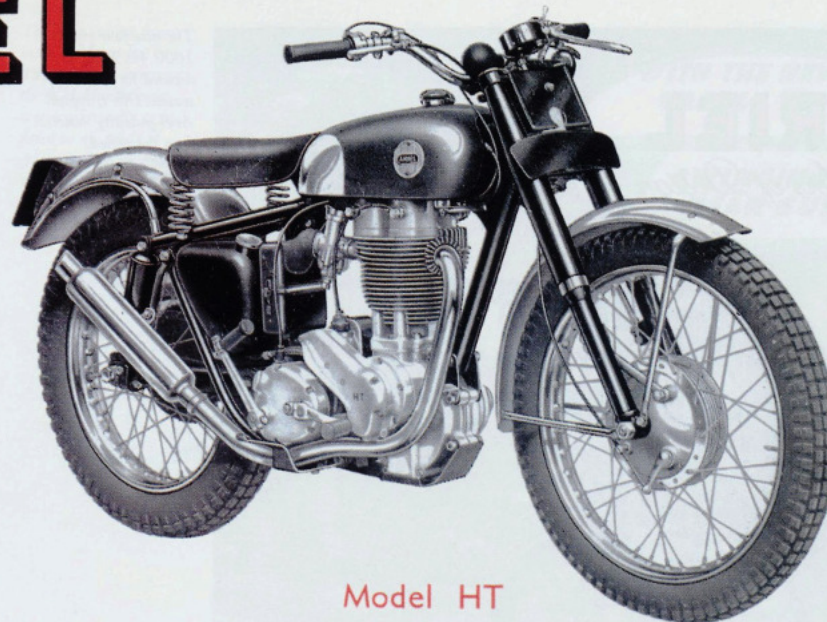
Wheels. Fitted with Dunlop sports tyres. 4.00 x 19" rear; 3.00 x 21" front. Plated rims. Full width light alloy hubs, front and rear, powerful central brakes 7" diameter. Fulcrum adjustment.

Fuel Tank. Steel, 2½ gallons capacity, finished in red with gold lines.

Mudguards. Light steel with wide clearance, chromium plated. (Aluminium alloy at extra charge.)

Equipment. Dualseat, complete tool kit and tyre inflater.

Price £200 0 0 plus Purchase Tax £48 0 0



Model HT

500 c.c. TRIALS RED HUNTER

SPECIFICATION

TECHNICAL DATA

WHEELBASE	53"
OVERALL LENGTH	80"
HANDLEBAR WIDTH... ..	27"
SADDLE HEIGHT	32"
GROUND CLEARANCE	7"
WEIGHT DRY	290 lb.
COMPRESSION RATIO... ..	5.6
GEAR RATIO, TOP	6.02
GEAR RATIO, THIRD	9.46
GEAR RATIO, SECOND	14.7
GEAR RATIO, FIRST	19.3
ENGINE SPROCKET	18 tooth
ALTERNATIVE	
SPROCKETS AVAILABLE	17-24 tooth

Engine. Vertical O.H.V. 81.8 x 95 mm. = 497 cc. (3.22 x 3.74 = 30.4 cubic inches). Aluminium alloy cylinder barrel with nickel iron liner. Aluminium alloy cylinder head with valve seat inserts. Ground and polished inlet and exhaust ports. Specially tuned to develop high power at low R.P.M. All steel flywheel assembly mounted on two heavy duty roller bearings and one ball bearing. Large double row caged big end bearing. Amal "Monobloc" carburettor with gauze air filter.

Lubrication. Dry sump. Oil circulated by dual plunger pump from separate oil tank, ½ gallon capacity.

Ignition. Magneto (Lucas waterproof).

Frame. Specially designed short wheelbase, of great strength combined with light weight. High ground clearance. Swinging arm rear suspension with hydraulic damping. Rubber bushed pivots.

Forks. Telescopic with hydraulic rebound and bump damping. Bearing surfaces automatically lubricated.

Transmission. Engine shaft shock absorber. Front chain ½" x .305" in polished aluminium oilbath chaincase. Rear chain ¾" x ¾". Four speed wide ratio gearbox with two fabric clutch plates.

Wheels. Fitted with Dunlop Trials Universal tyres. 4.00 x 19" rear, 3.00 x 21" front. Plated rims. Full width light alloy front hub. Powerful 7" diameter brakes front and rear. Fulcrum adjustment.

Fuel Tank. 2 gallon capacity, light alloy, finished in red with gold lines.

Mudguards. Polished light alloy with wide clearance.

Equipment. Saddle, complete tool kit and tyre inflater.

Price £177 10 0 plus Purchase Tax £42 12 0

POWER —

WHERE IT IS MOST NEEDED