

The

Douglas



Dragonfly

THE DOUGLAS DRAGONFLY

This outstanding model in the 350 c.c. Class represents the pinnacle of conception in design. It combines real performance with reliability, comfort and road holding qualities which have to be experienced to be believed.

The general technical specification comprises:—

POWER UNIT. Horizontally opposed twin cylinder engine, set transversely in the frame, unit constructed with the clutch and gearbox.

DATA	Bore	...	...	...	...	60.8 m.m.
	Stroke	...	...	...	...	60 m.m.
	Capacity	...	...	...	...	348
	Overhead Valves operated by push rods.					
	Compression Ratio	...	...	...	...	7.25 to 1

LUBRICATION. Vane type, totally submerged pump. All oilways drilled in Crankcase with a felt sack filter incorporated in oil pressure line. Gravity return to oil sump in crankcase.

CRANKSHAFT. Pressed up steel forgings.

CONNECTING RODS. Steel Forgings.

VALVE OPERATION. Twin Camshafts (one per Cylinder) gear driven operate the rocker mechanism through the medium of short light push rods.

BEARINGS. Crankshaft. (Drive End) Large Double row Ball Bearings.
Crankshaft. (Timing End) Plain Bearing.
Camshaft. Plain Bearings.
Big End. 32 caged rollers $\frac{3}{16}$ " x $\frac{1}{16}$ ".
Small End. Plain on $\frac{7}{16}$ " dia. Gudgeon Pin.

CARBURATION. Single Amal "Monobloc" carburettor with Induction Pipe cast integrally with engine gearbox unit.

IGNITION. A Miller Generator is crankshaft mounted on the timing end, supplying A.C. current to a Rectifier for Coil Ignition and Lighting. Distributor mounted high in Crankcase with Coil and Rectifier mounted under Petrol Tank. "Emergency Ignition" switch for easement of starting when battery is flat.

CLUTCH. Single dry plate "Ferodo" lined $6\frac{1}{2}$ " dia., 171 m.m.

GEARBOX. Four speed constant mesh box. Final drive by $\frac{1}{2}$ " x $\frac{1}{2}$ " chain through a conventional type shock absorber giving the following ratios: 5.57, 7.05, 9.60, 15.54.

FRAME. All welded Duplex cradle.

FRONT FORK. "Reynolds-Earles" Patent swinging arm with Girling suspension units.

REAR FORKS. Swinging arm with Girling suspension units.

WHEELS AND BRAKES. Large and totally enclosed journal Ball Bearing Hubs carry W.M. 2 x 19" Rims. The shoe type Brakes are 7" x $1\frac{1}{4}$ " wide. 3.25 x 19 (480 x 80 m.m.) Tyres fitted as Standard.

PETROL TANK. Of welded steel it has a capacity of $5\frac{1}{2}$ gallons.

FOOT RESTS. Well positioned and adjustable.

ELECTRICAL EQUIPMENT. Varley Dry battery, Miller 30 watt x 24 watt "sealed beam" Headlamp. Separate Tail Lamp and Reflector. High frequency Clear Hooter horn.

MUDGUARDS. Wide, deep valanced steel, yet light in weight. Front Mudguard moves with the Wheel.

Rear guard sprung with Frame positioned such that the rear wheel may be removed without dismantling guard. Generous lifting handles provided each side.

TWINSEAT. Follows the latest lines for comfort and appearance.

HANDLEBARS. Adjustable for height, and attached to the fork by sturdy links.

CONTROLS. Fully adjustable to suit every individual rider. Handlebar twist grip throttle and lever operated front brake and clutch. Air lever for cold starting, and horn button combined with dip switch. A footchange pedal serrated for individual location.

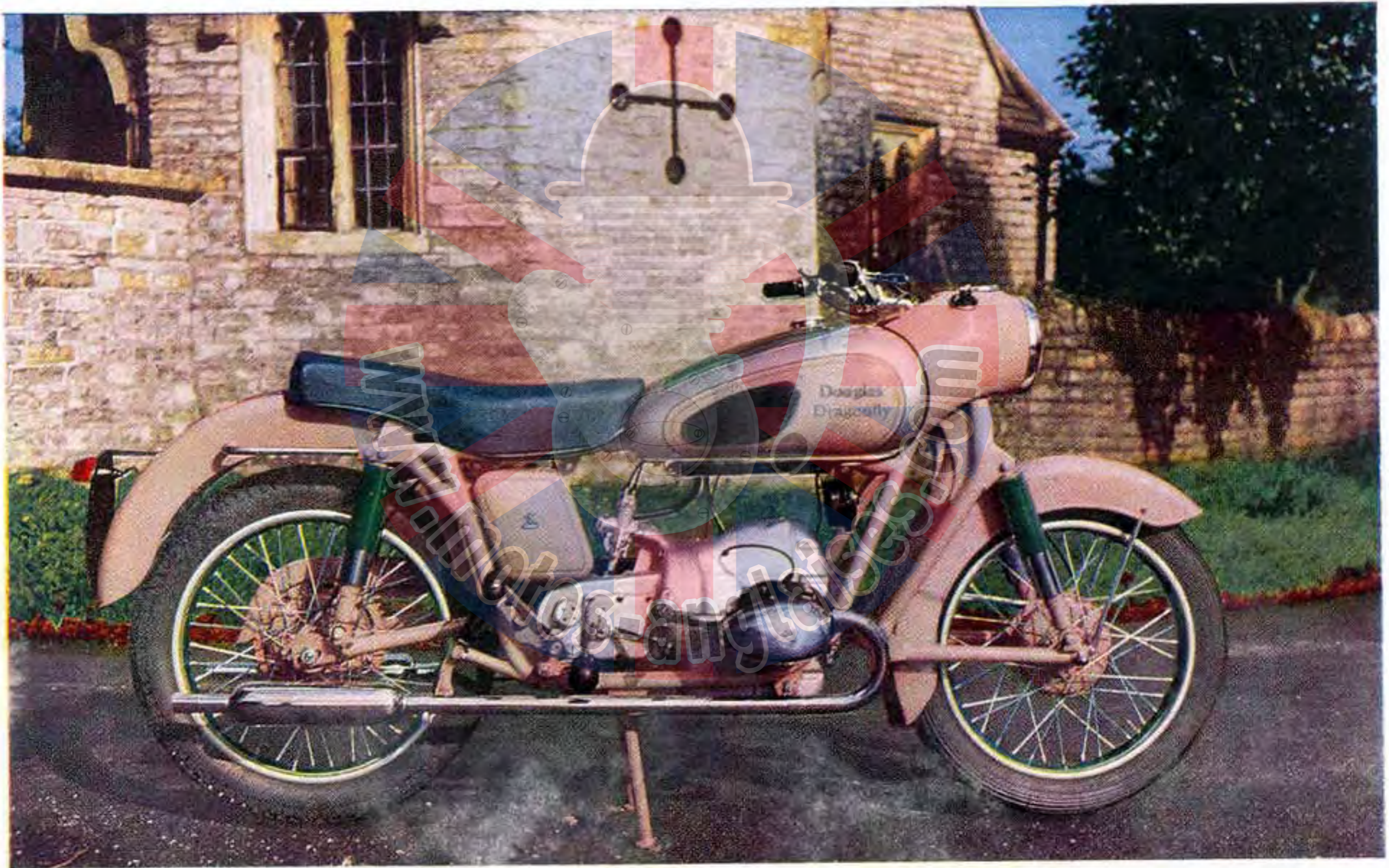
CENTRE STAND. A strong tubular steel structure, spring loaded for safety return. Spring clip to lock in a raised position.

EXHAUST SYSTEM. Large diameter twin chromium plated exhaust pipes, fitted with absorption silencers of a pleasing design and high efficiency. Securely attached to frame.

TOOL BOX. Large capacity single box.

DIMENSIONS, WEIGHTS, CAPACITIES, ETC.

Capacity Petrol	4 $\frac{1}{2}$ gallons Main	—	20.5 litres
Capacity Petrol	1 gallon reserve	—	4.54 litres
Capacity oil in sump	5 Pints	...	2.84 litres
Weight (Dry)	365 lbs.	...	165.6 kg.
Wheel Base	56 $\frac{1}{2}$ "	...	142.6 c.m.
Overall Length	86"	...	218.4 c.m.
Overall Width	27"	...	68.6 c.m.
Overall Height	42"	...	106.7 c.m.
Ground clearance	7"	...	17.8 c.m.



Some of the Accessories for the Douglas Dragonfly

The following optional extras are available for the Douglas Dragonfly:

- Twin Head Lamps on forks.
- Front Stand.
- Air Cleaner.
- Chromium-plated crash bars.
- Pillion Footrests.
- Chrome-embellished tank.
- Chrome-embellished wheel rims.

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