

"If you want a 500 c.c. with ample power and speed this is the model for you."

B.S.A 4·99 h.p. O.H.V.

Model W33-7

The rider who wants a good reserve of power for fast solo or sporting sidecar work will find that this model is just what he requires.

ENGINE. Single cylinder O.H.V. 499 c.c. (85 by 88 m/m bore and stroke). Lubrication by pressure feed from gear type pump to double roller big end bearing. Oil sump (capacity 3 pints) and crankcase cast in one unit. Oil control with special safety device. Pressure gauge in tank and oil level dip-stick on filler plug. Mainshaft mounted on roller bearings. Aluminium Alloy piston. Silent timing gear, with gear driven magnets. Amal carburetter. Air Cleaner.

TRANSMISSION. Engine-shaft cush drive. Front chain $\frac{1}{2}$ in. by $\frac{3}{32}$ in. specially lubricated by oil well in chain case fed from engine. Rear chain $\frac{1}{2}$ in. by $\frac{1}{4}$ in. Dry plate clutch. B.S.A. four-speed gearbox with screw adjustment for front chain tension. Gear ratios 5·0, 6·6, 10·3, 14·9 solo, and 5·6, 7·4, 11·5 and 16·7 sidecar.

FRAME. Full duplex cradle type with forged steel backbone and integral sidecar lugs. B.S.A. front forks with quickly adjustable shock absorbers. Saddle tank holding 2 $\frac{1}{2}$ gallons, with knee-grips. Two level petrol tap. Spring-up rear stand. Lifting handle on rear guard. Dunlop tyres 26ins. by 3·25ins. Brakes 7ins. diameter, front operated by lever on handlebar, both by right toe pedal, and both quickly adjustable. Steering damper. Hinged rear mudguard.

EQUIPMENT. B.S.A. handlebar with special controls (patent applied for), including twist grips for throttle and ignition and ratchet lever for front brake. Spring seat saddle. Pillion seat fitted, or detachable carrier if specified. Metal toolbox on chainstay with complete tool kit and grease gun in leather case. Inflator. Lucas 6-volt Electric Lighting Set with Instrument Panel extra. B.S.A. Pillion footrests, Speedometer and Electric Horn extra.

FINISH. Tank chromium plated with green side panels. Frame black enamel; bright parts chromium plated. Special finish to crankcase and gearbox.

Wheelbase	54ins.
Ground Clearance	...	4 $\frac{1}{2}$ ins.
Saddle Height	...	27ins.

