

Specification

Engine	15T two-stroke unit.
Cubic Capacity	149 cc. (9.0 cu. ins.).
Stroke	62.69 mm. (2.468").
Bore	55 mm. (2.167").
Rebore Sizes	+ .015", + .030".
Compression Ratio	7 to 1.
Ignition Timing	Points commence to open $\frac{3}{32}$ " (20 $\frac{1}{2}$ %) before T.D.C.
Contact Breaker Gap	.018" maximum.
Spark Plug Type	Lodge HLN.
Spark Plug Gap	.020".
Correct Lamp Bulbs (A.C. Direct Lighting)	Head-main 6v. 24/24w. twin filament, pre-focus. Head-pilot 2.5v. 2a. Tail (twin) 6v. 1.8w. Speedo 6v. 1.8w.
Carburettor	Type : Amal 375/37. Size of main jet : No. 110. Taper needle : No. B. Normal needle setting : 2nd notch from top. Choke size : $\frac{13}{32}$ ".
Sprockets	Engine : 18 teeth. Clutch : 43 teeth. Gearbox : 16 teeth. Rear : 46 teeth.
Chains	Primary : Renold $\frac{3}{8}$ " \times $\frac{1}{4}$ " \times 225" pre-stretched. 58 links. Rear : Renold $\frac{3}{8}$ " \times 335" \times 205". 118 links.
Rear Chain Adjustment	Unladen : $\frac{3}{8}$ " to 1" whip. Laden : $\frac{3}{8}$ " to $\frac{1}{2}$ " whip at tightest point.
Gearbox Ratios	1, 1.33, 2.57 to 1.
Overall Gear Ratios	Bottom : 17.2 to 1. Second : 8.9 to 1. Top : 6.7 to 1.
Engine Bearings	Driveside (2) SKF-RLS6. Timing side (1) Torrington JH-1612.
Big End Bearings	Rollers : $\frac{1}{4}$ " dia. \times $\frac{3}{8}$ " long (8 caged rollers) $\frac{1}{4}$ " dia. \times $\frac{3}{8}$ " long.
Hub Bearings	Front Cup and Cone : 20 balls $\frac{1}{4}$ " dia. Rear Journal : 15 \times 42 \times 13 mm. SKFko 6302.
Steering Head Bearings	Top : 17 balls $\frac{1}{4}$ " dia. Bottom : 17 balls $\frac{1}{4}$ " dia.

Wheel Rim Sizes	Front and Rear : WM1 18.
Tyre Sizes	Front and rear : 3.00" \times 18".
Tyre Pressures — Solo Pillion	Front 16 lbs. Rear 20 lbs. Front 16 lbs. Rear 28 lbs.
Spokes	Front N.S. (36) : $6\frac{3}{8}$ " \times 12 swg. Front O.S. (36) : $7\frac{1}{8}$ " \times 12 swg. Nipples—front (36) : 225" \times 12 swg. Rear (36) : $6\frac{3}{8}$ " \times 10 swg. Nipples—rear (36) : 250" \times 10 swg.
Brake Drum Diameter	Front 4" (10.16 cm.). Rear 5" (12.7 cm.).
Total Braking Area	11 $\frac{3}{4}$ sq. ins. (76 cm ²).
Fuel Tank Capacity	2 $\frac{1}{4}$ Imperial gallons (10.2 litres).
Fuel Mixture	Refer pages 9 and 10.
Oil Capacity of Gearbox	Approx. 22 fluid oz. Fill to oil level mark on dipstick.
Oil Capacity of Primary Case	Approx. 22 fluid oz.
Speedometer	Smiths magnetic type, illuminated.
Speedometer Cable	Rear wheel drive, length 4' 7".
Wheelbase	49 $\frac{1}{2}$ " (125.8 cm.).
Seat Height	30" (76 cm.).
Ground Clearance	5" (12.7 cm.).
Width Over Bars	26" (66 cm.).
Overall Length	76 $\frac{1}{2}$ " (194 cm.).
Approx. Weight	171 lbs. (78 kilos).

TOOLS : The standard tool kit supplied consists of :

- 1 Plug Spanner.
- 1 Allen Key.
- 2 Steering Head Spanners.
- 2 Tyre Levers.
- 1 Tyre Inflator.
- 1 Cone Spanner.
- 1 Feeler Gauge.

PLEASE NOTE : In order to meet normal requirements the following common tools should be added to your kit :

- 1 Screwdriver.
- 1 Adjustable Spanner.
- 1 Pair Pliers.