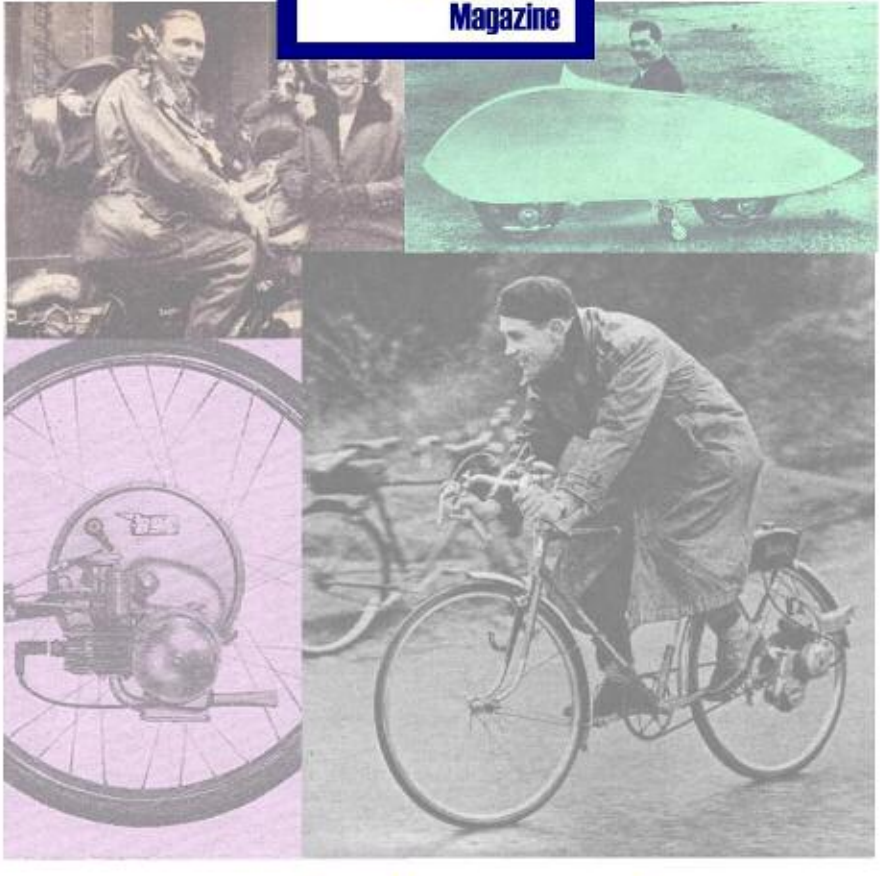
# IceniCAM
# Information Service

The Iceni CAM Magazine



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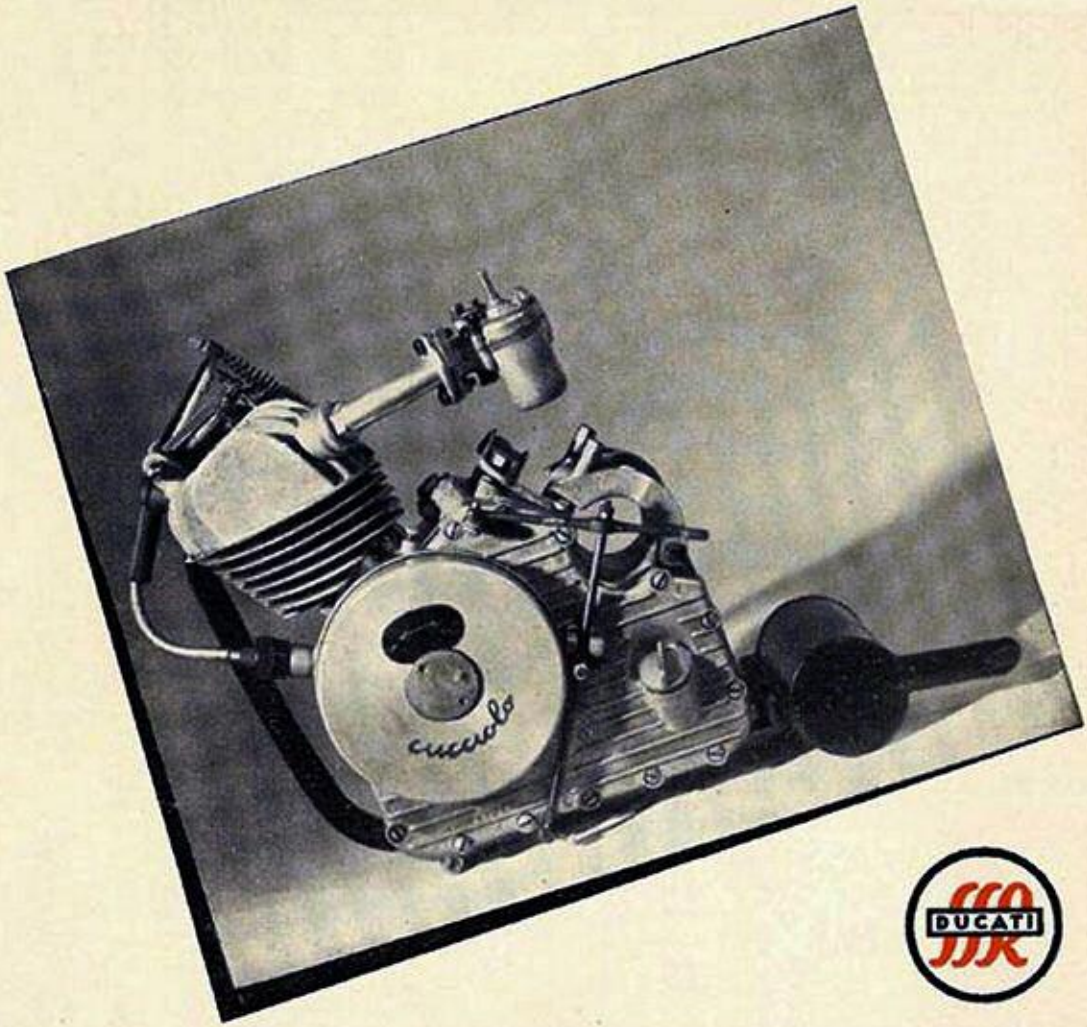


# cucciolo T 50

## THE ENGINE SOLD ALL OVER THE WORLD!

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EXPORT DIVISION - MILANO - LARGO AUGUSTO 7
PHONE 702941 - 702942 — CABLE ADDRESS DUCATITAL

1 ***cucciolo*** motorises your push-bike. This little super-efficient 1½ HP dual-gear engine will take you anywhere, untiringly, in comfort.

2 ***cucciolo*** is wonderfully light: 8 Kg. (17½ lbs), just the weight of a parcel.

3 ***cucciolo*** engine can be fitted without alteration to any type of Ladies' or Gentlemen's bicycles. Fitting is at the bicycle bottom-bracket. Weight distribution is 55% on front-wheel and 45% on back wheel.

4 ***cucciolo*** is the most widely used bicycle engine in the world. Servicing facilities and spare parts are available in every country.

5 ***cucciolo*** is a **four-stroke engine: no oil has to be mixed with fuel.** Lubrication of engine independent and fully automatic. No mixture being used, refuelling is simple and speedy.

6 ***cucciolo*** has chain transmission. The actual chain of the bicycle is used for the drive. This reduces wear on tyres to a minimum, avoiding also broken wheel-spokes and twisting of frame.

7 ***cucciolo*** incorporates a **two-speed, pre-selection gear-box;** the ratio enables to negociate gradients at speed without the aid of the pedals. Efficient cooling is provided by a number of slots and fins where the air-flow is maximum.

8 ***cucciolo*** has a **multiple metal-plate clutch** working in oil-bath: starting and halting are extremely smooth. The engine can be kept-on running while the bicycle is at a stop.

9 ***cucciolo*** has greater power and is cheaper to run than any other twostroke engine of the same cylinder capacity.

10 ***cucciolo*** is **simple, strong** and **reliable.** It is the perfect answer to the most exacting requirements.

# cicciolo

# CHARACTERISTICS

**Engine:** Four-stroke, overhead valves. Bore: 39 mm. Stroke: 40 mm., Cylinder Capacity: 48 c.c. Compression ratio: 6,5. Cast-iron cylinder. Three-ring aluminium piston, with oil-scraper ring. Cylinder can be inspected without disturbing ignition timing or valve-setting. Light-metal crank-case and sump. Ball and roller-bearings.
Normal rating of engine: 4.500 r.p.m.; Maximum rating: 5,500 r.p.m. Power 1 1/2 HP.

**Lubrication:** Independent and fully automatic. Crank-case and sump contain 350/400 grams (13 1/2 oz.) of oil.

**Ignition:** Permanent-magnet four-pole fly-wheel, rotating at 1/1 ratio with the engine-shaft.

**carburettor:** Single-control automatic.

**Clutch:** metal friction-plates running in oil bath in crank-case.

**Gears:** Two speeds and neutral position. Ratio between low and high gear: 1/1,735. Gear pre-selection operated according to position of the bicycle pedals. Gear change is actuated by a single action on the hand-clutch lever.

**Power drive:** Single chain from engine to back-wheel sprocket. The actual chain of the bicycle is used.

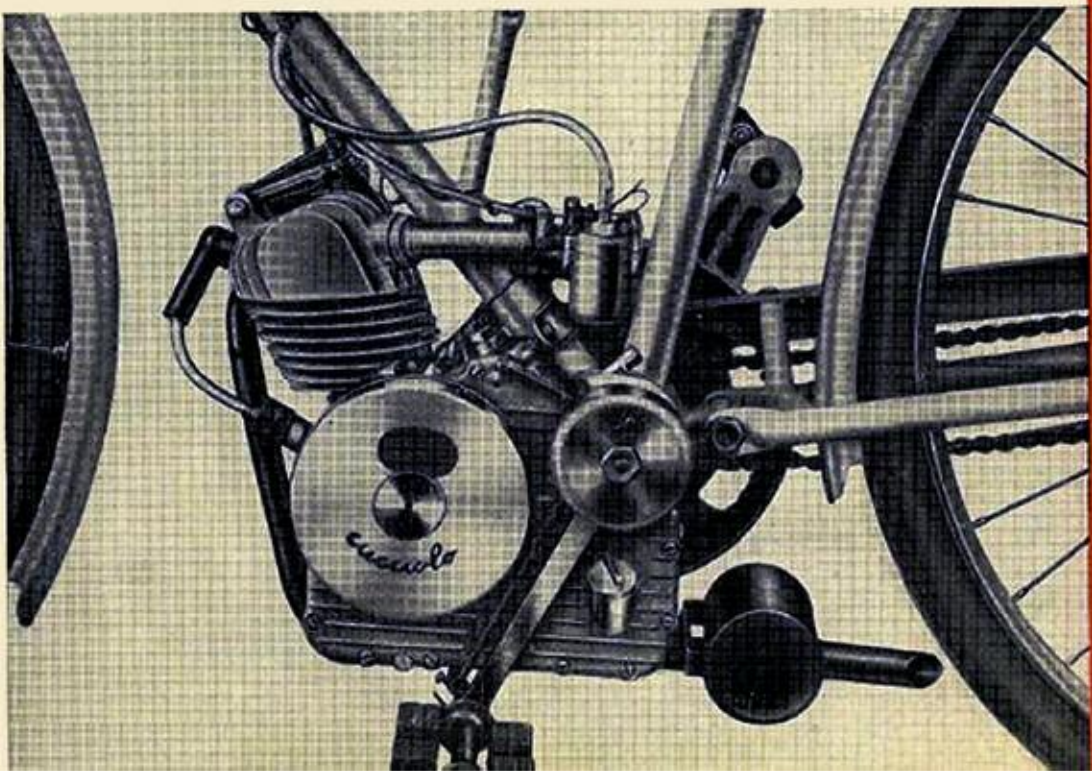
**Lighting system:** Electric light is supplied by the magnetic fly-wheel. Rating is 6 volt at 1 amp., sufficient for head-lamp and rear-light.

**Fuel consuption:** About 100 kilometres = 1 litre of petrol, corresponding to about **275 miles per gallon**. Oil is used at the rate of about 1/10th oz. per 100 kilometres. Minimum speed: 7 km. (4 1/4 m.p.h.) in high gear, and 4 km. (2 1/2 m.p.h.) in low gear.

**Up-hill riding:** Gradients up to 18% are negotiable, according to the bicycle back-sprocket ratio. Stepdown reduction between main engine-shaft and power-sprocket is 10,5 to 1.

**Fuel-tank capacity:** Two litres, corresponding to about 3 1/2 pint.

**Exhaust-pipe:** low- pressure silencer.



# 27 WORLD RECORDS

## ESTABLISHED AND ECLIPSED IN MONZA (ITALY) - NOVEMBER 1951

| | | | |
|---|---|---|---|
| Flying Km. | Time 44"2/100 | average | 81,447 |
| 10 km. | 7'51"2/5 | » | 76,400 |
| 50 km. | 38'52"2/5 | » | 77,173 |
| 100 km. | 1.20' 1"1/5 | » | 74,981 |
| 500 km. | 7. 1' 6"2/5 | » | 71.240 |
| 1000 km. | 14.29'54"3/5 | » | 68,999 |
| 2000 km. | 29.59'13" | » | 66,695 |
| 3000 km. | 46.59'56"1/5 | » | 63,831 |
| 10 Miles | 12'33"1/5 | » | 76,920 |
| 50 Miles | 1. 3' 7"2/5 | » | 76,485 |
| 100 Miles | 2. 8' 9"4/5 | » | 75,341 |
| 500 Miles | 11.28'57"2/5 | » | 70,254 |
| 1000 Miles | 14.29'34"3/5 | » | 66,429 |

| | | | | | |
|---|---|---|---|---|---|
| 1 | hours | km. | 76,562 | average | 76,562 |
| 2 | » | » | 150,536 | » | 75,268 |
| 3 | » | » | 225,818 | » | 75,272 |
| 4 | » | » | 291,618 | » | 72,904 |
| 5 | » | » | 369,409 | » | 73,881 |
| 6 | » | » | 434,593 | » | 72,432 |
| 7 | » | » | 493,628 | » | 70,518 |
| 8 | » | » | 563,468 | » | 70,433 |
| 9 | » | » | 628,053 | » | 69,783 |
| 10 | » | » | 698,600 | » | 69,860 |
| 11 | » | » | 771,610 | » | 70,146 |
| 12 | » | » | 836,893 | » | 69,741 |
| 24 | » | » | 1593,879 | » | 66,411 |
| 48 | » | » | 3034,054 | » | 63,209 |

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