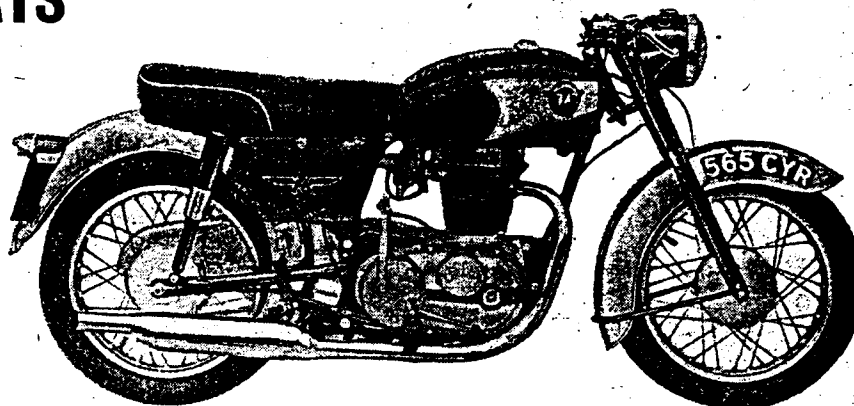


The 248 c.c. MATCHLESS G2S 'MONITOR SPORTS'

1962 ROAD TESTS

A handsome roadster with
an appetite for
sustained fast cruising



Specification

ENGINE

Type Single-cylinder four-stroke
Bore 70 mm.
Stroke 65 mm.
Cubic capacity 248 c.c.
Valves Overhead (push-rod)
Compression ratio 7.8 : 1
Carburettor Amal "Monobloc," 1 1/8-in. choke, handlebar air control
Ignition Wipac battery-powered coil with wave rectification
Generator Wipac 6-v. 54-w. A.C. with full-EMG circuit
Makers' claimed output Not given; peak power occurs at 6,800 r.p.m.
Lubrication Dry sump with oil reservoir integral with crankcase castings
Starting Kickstarter (folding pedal)

TRANSMISSION

Four-speed footchange gearbox clamped to engine.

Ratios 6.9, 9.0, 12.8, 20.1 : 1
Speed at 1,000 r.p.m. in top gear 10 m.p.h.
Speed equivalent to revs. at maximum power rating:
Second gear 38 m.p.h.
Third gear 54 m.p.h.
Top gear 71 m.p.h.
Primary drive Single-row chain
Final drive Chain
Clutch Multi-plate in oilbath
Shock-absorber Rubber-vane type in clutch centre

CYCLE PARTS

Frame Cradle type supporting engine-gearbox as a unit
Front suspension "Teledraulic" telescopic forks with hydraulic control
Rear suspension Swinging fork; two Girling oil-damped spring units with clevis lower ends; adjustable for load
Tyres Dunlop 3.25 x 17 in.; ribbed front, studded rear
Brakes 6-in. dia. front and rear. Total lining area, 23 1/2 sq. in.
Fuel tank Pressed steel with rubber knee grips and twin taps

Oil reservoir Compartment below and integral with crankcase
Lamps 30/24-w. head, 3-w. pilot, twin 3-w. tail with separate 18-w. stop
Battery Exide 6-v. 13 a.h.
Speedometer Smiths 100 m.p.h., non-trip type
Seating Two-level dual seat
Stand Centre
Toolkit Spanners: 5 open-ended, 1 adjustable, 1 "C." 2 tyre levers. Allen key.
Screwdriver. Feeler-gauge set
Toolbox Box within battery compartment under seat
Standard finish Black with red and white tank; chromium-plated mudguards and usual cycle parts

OTHER EQUIPMENT

Dropped handlebars; pillion rests.

PRICES

Machine £212 5s. 7d. (inc. £38 5s. 7d. P.T.)
Extras None
Total as tested £212 5s. 7d.
Tax £2 5s. p.a.
Makers Associated Motor Cycles, Ltd., Plumstead Road, London, S.E.18

'Motor Cycling' Test Data

Conditions. Weather: Dry, mild, blustery (Barometer 29.50 in. Hg. Thermometer 52°F.).
Wind: W., 6-10 m.p.h. Surface (braking and acceleration): dry asphalt. Rider: 11 1/2 stone wearing two-piece suit, safety helmet and boots, normally seated except where stated. Fuel: Premium grade (96 research method octane rating).

Venue: Motor Industry Research Association Station, Lindley.

Speed at end of standing 1,000 yd.:

East 72.3 m.p.h.
West 57.1 m.p.h.
Mean 63.8 m.p.h.

Speed at end of standing 1,400 yd. (rider prone):

East 74.1 m.p.h.
West 66.9 m.p.h.
Mean 70.3 m.p.h.

Best one-way speed (rider prone):

74.1 m.p.h.
Braking from 30 m.p.h. (all brakes): 13 yd.

Fuel consumption

At constant 30 m.p.h. 124 m.p.g.
50 m.p.h. 86 m.p.g.
500-mile overall figure 82 m.p.g.

Speedometer

30 m.p.h. indicated = 27.3 m.p.h. true
40 m.p.h. indicated = 37.4 m.p.h. true
50 m.p.h. indicated = 48.7 m.p.h. true
60 m.p.h. indicated = 57.7 m.p.h. true
70 m.p.h. indicated = 67.1 m.p.h. true

Mileage Recorder Accurate

Electrical Equipment

Top gear speed at which generator output balances:
Ignition only All speeds above min.
Minimum obligatory lights non-snatch
Headlamp main beam

Weights and Capacities

Certified kerbside weight (with oil and 1 gal. fuel) 322 lb.
Weight distribution (rider normally seated):
Front wheel 43%
Rear wheel 57%
Tank capacity (metered):
Total 3.30 gal.
Reserve 3 pints

