

TRIUMPH

BOBILLOT-MOTOS

P. LANGOT

6, RUE DE LA BUTTE-AUX-CAILLES - PARIS-13

AGENCE - EXCLUSIVE

TRIUMPH

TÉL. 603. 50-31

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C. C. P. 4268-13 PARIS

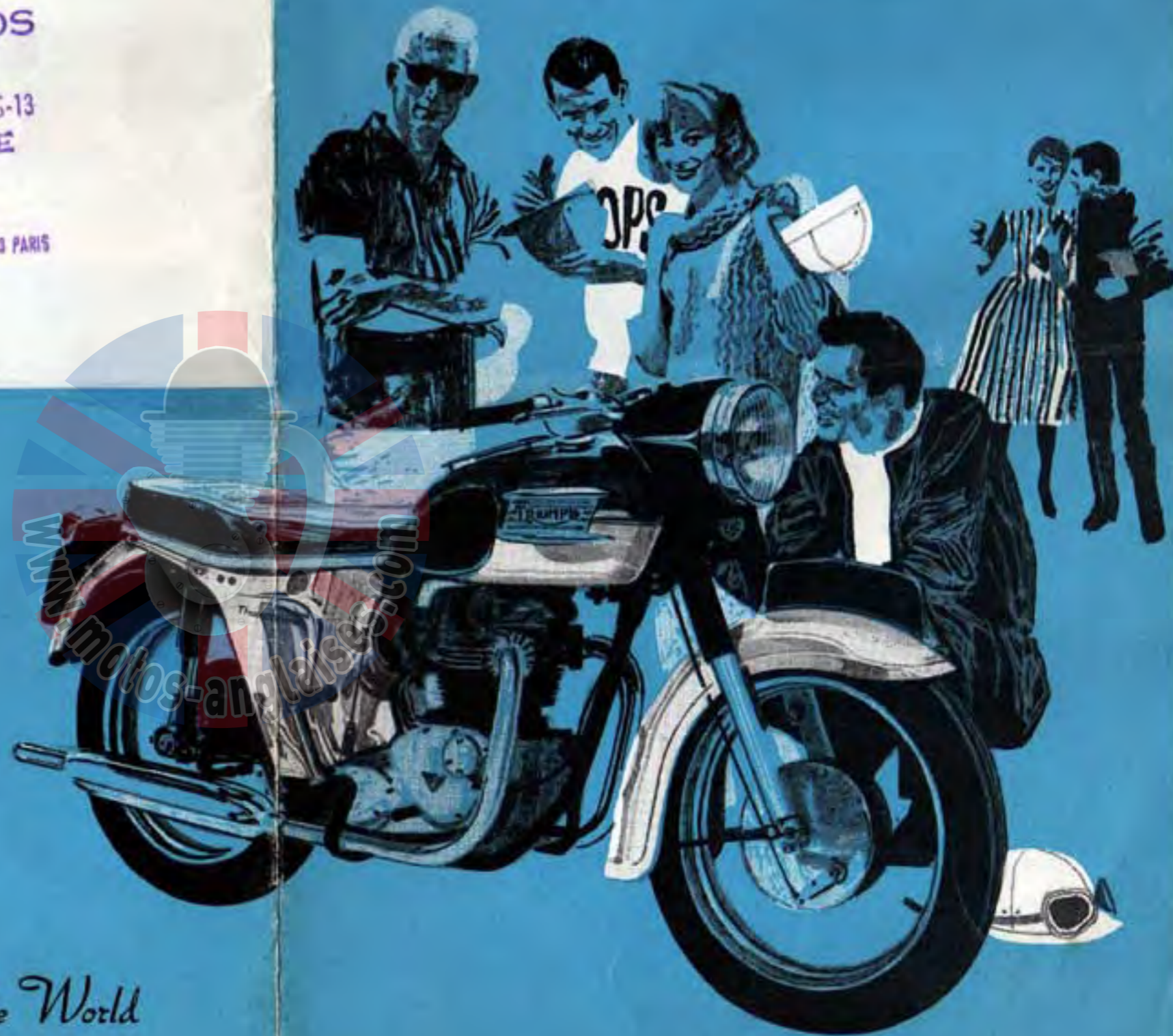
To become a Triumph owner is to become a Triumph enthusiast. Such is the satisfaction of Triumph ownership, and it is brought about by brilliant design, modern manufacturing techniques and a complete understanding of the requirements of the keen rider.

Here are machines to give you everything you look for in a motorcycle—real speed power when you want it, swift braking power when you want it, smooth silky running power when you want it.

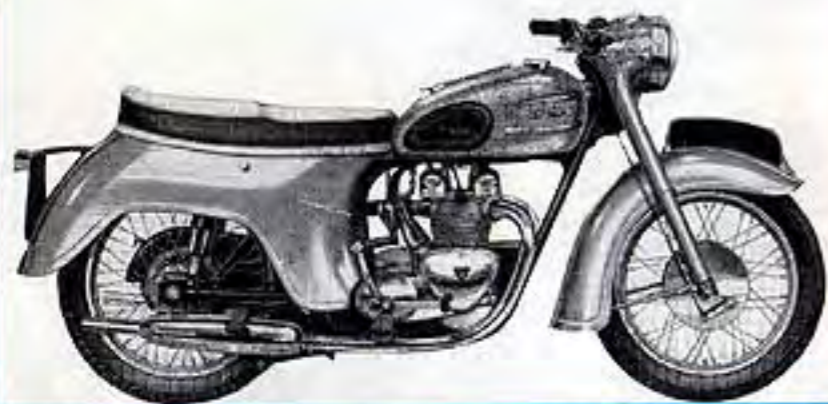
In these motor cycles you will find, too, the results of a year's constant search for perfection—for at Triumph we are continually searching, designing, and testing in an effort to make our machines even better.

TRIUMPH

The Best Motorcycle in the World



350 c.c. TWENTY-ONE (3TA)



The **TWENTY-ONE** embodies everything that is best in modern motorcycle design. Its specification includes an aluminium cylinder head, unit construction four speed gearbox and stylish rear enclosure. A delightful motorcycle to ride with its modest weight and superb handling characteristics.

350 c.c. TIGER 90 (T90)



Bearing a world famous name this new sporting 350 has immediate appeal to the enthusiastic sportsman. The engine unit is similar to the Twenty-One but has larger inlet valves, sports camshafts and develops 27 B.H.P. Added power, first class suspension, powerful brakes and exceptional ease of control combine to make the **TIGER 90** a motorcycle of rare quality.

500 c.c. TIGER 100 (T100S/S)



Already adding to the lustre of the famous "Tiger" name, the **TIGER 100** has firmly established itself as one of the top performers in its class. The lively unit construction engine, heavy duty forks, detachable chrome headlamp, two-into-one exhaust and a striking new colour scheme are a few of the outstanding attractions of this sporting motorcycle.

NOTE.—500 c.c. Speed Twin (5TA) also available. Full technical details overleaf.

200 c.c. TIGER CUB (T20)



Effortless cruising, excellent steering and braking and all the best features of the big motorcycle are compactly featured in this lightweight machine. The Tiger Cub with its low initial cost and penny wise running economy is the ideal mount for the young enthusiast.

200 c.c. SPORTS CUB (T20S/H)



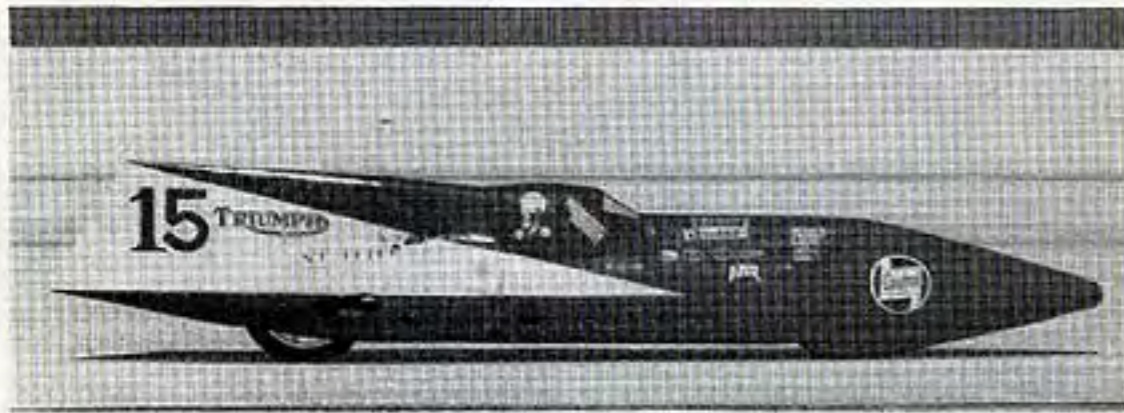
A famous top lightweight performer with a notable sports specification. 200 c.c. O.H.V. engine with unit construction four speed gearbox, three gallon petrol tank, full AC/DC lighting ignition system, heavy duty forks and powerful brakes. In full road going trim this sparkling lightweight appeals immediately as an efficient mount for the job.

TS20 Cub Scrambler and TR20 Trials Cub also available. Full details on request.

TRIUMPH

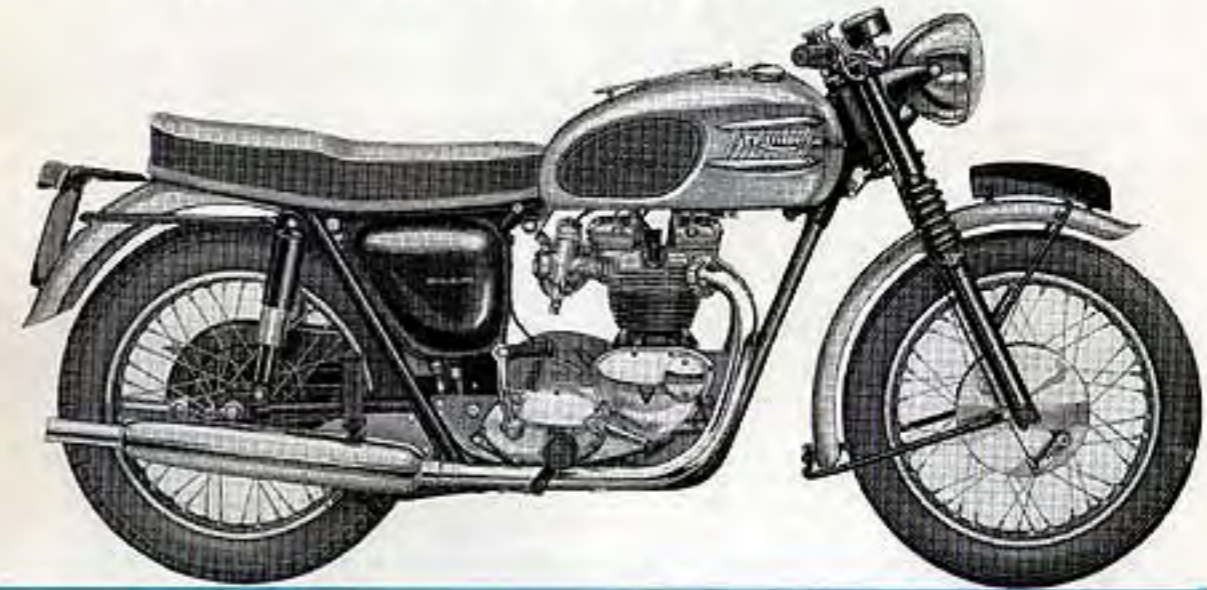
HOLDER OF THE WORLD'S MOTORCYCLE SPEED RECORD

(SUBJECT TO CONFIRMATION BY THE F.I.M.)



On the 5th September, 1962, at the Bonneville Salt Flats, Utah, a new motorcycle world speed record of 224.57 m.p.h. (360 k.p.h.) for the flying kilo was achieved by a 650 c.c. **TRIUMPH** streamliner ridden by Bill Johnson of California. The engine used was a standard production type 650 c.c. Triumph twin as used in the Bonneville 120 model—a striking testimony to the quality and performance of this engine.

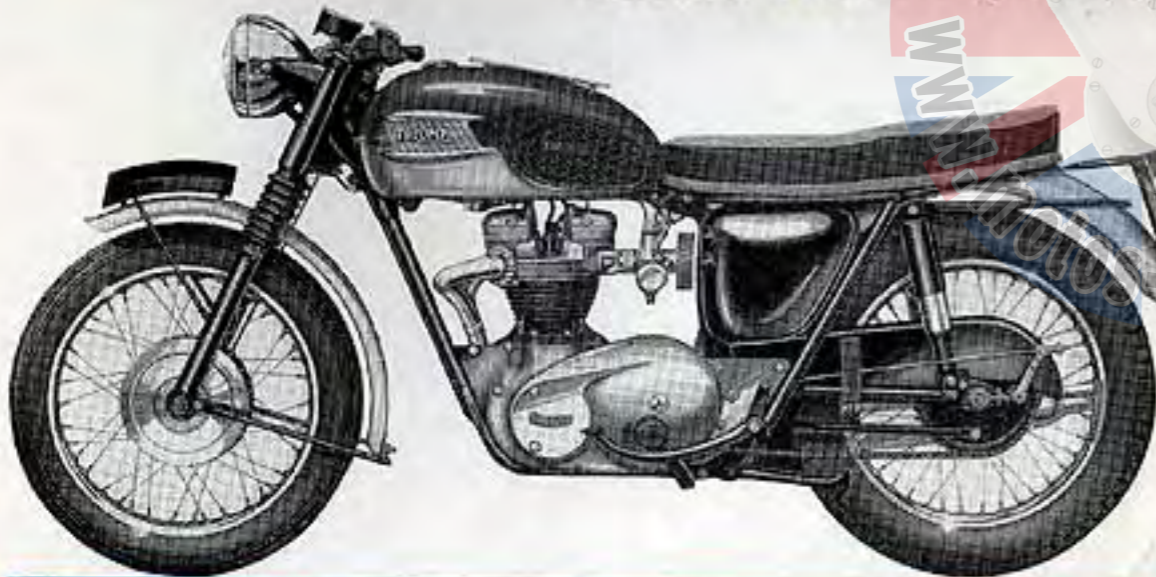
650 c.c. BONNEVILLE 120 (T120)



For sporting riding where speed and stamina of the highest order are vital the Bonneville has an enviable reputation for setting the pace. With twin carburettors and new unit construction engine this machine is a staunch favourite with the truly experienced rider who can use the available power with skill and discretion.

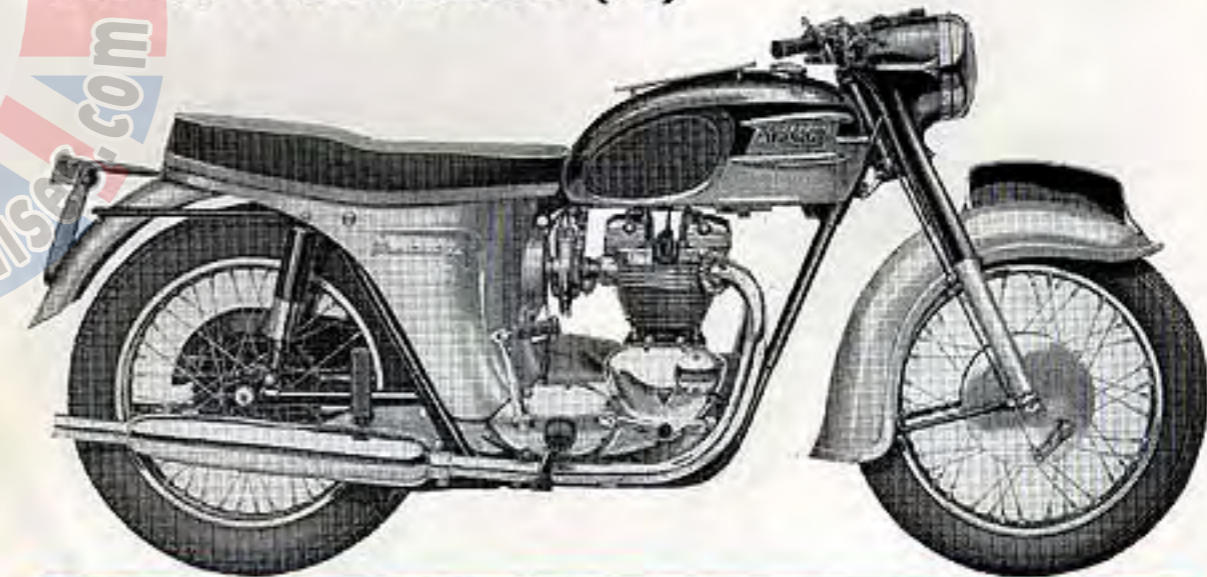
TRIUMPH

650 c.c. TROPHY (TR6S/S)



Experience and the Trophy go hand in hand. This model with a world wide reputation in sporting events surely offers the ultimate in road going performance. Embodying the new Triumph 650 c.c. unit construction engine developing 40 B.H.P. and a host of sporting technical details within its improved specification the Trophy emerges as a tough reliable mount which will give unflinching satisfaction.

650 c.c. THUNDERBIRD (6T)



With its improved specification, including a new unit construction 650 c.c. engine, the Thunderbird provides effortlessly that extra power demanded both by the fast soloist and sidecar driver. This machine is the choice of the discriminating rider who asks for the best in tractability, braking and suspension.

MODEL	Tiger Cub (T20)	Sports Cub (T20S/H)	Twenty-one (3TA)	Tiger 90 (T90)	Speed Twin (5TA)	Tiger 100 (T100S/S)	Thunderbird (6T)	Trophy (TR6S/S)	Bonneville 120 (T120)
Engine Type	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.
Number of Cylinders	1	1	2	2	2	2	2	2	2
Bore/Stroke, mm.	63x64	63x64	58.25x65.5	58.25x65.5	69x65.5	69x65.5	71x82	71x82	71x82
Bore/Stroke, ins.	2.48x2.52	2.48x2.52	2.29x2.58	2.29x2.58	2.72x2.58	2.72x2.58	2.79x3.23	2.79x3.23	2.79x3.23
Capacity, cu. cms.	199	199	349	349	490	490	649	649	649
Capacity, cu. ins.	12.2	12.2	21.2	21.2	30	30	40	40	40
Compression ratio	7:1	9:1	7.5:1	9:1	7:1	9:1	8.5:1	8.5:1	8.5:1
B.H.P. and R.P.M.	10 @ 6,000	14.5 @ 6,500	18.5 @ 6,500	27 @ 7,500	27 @ 6,500	34 @ 7,000	34 @ 6,300	40 @ 6,500	46 @ 6,500
Engine Sprocket Teeth—Solo	19	19	26	26	26	26	29	29	29
Clutch Sprocket Teeth	48	48	58	58	58	58	58	58	58
Gearbox Sprocket Teeth—Solo	17	17	18	17	19	18	20	19	19
Rear Sprocket Teeth	46	48	43	46	43	46	46	46	46
R.P.M. 10 M.P.H. Top Gear	985	960	742	810	702	763	616	630	648
Gear Ratios—Top	6.84	7.13	5.33	6.04	5.05	5.70	5.11	5.41	5.41
" " " Third	9.04	8.56	6.32	7.15	6.0	6.75	6.08	6.44	6.44
" " " Second	14.05	13.37	9.37	9.80	8.88	9.26	8.64	8.17	8.17
" " " First	20.40	19.8	12.96	14.67	12.28	13.86	12.48	11.81	11.81
Carburettor—Make	Amal	Amal	Amal	Amal	Amal	Amal	Amal	Amal	Amal
Carburettor—Type	32/1	376/272	375/62	376/300	375/35	376/273	376/285	376/40	376/286-287
Front Chain Size	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"	1 1/2 x 22.5 x .25"
Rear Chain Size	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"	1 1/2 x 20.5 x .335"
Dunlop Tyres—Front, ins.	3.25 x 17	3.00 x 19	3.25 x 17	3.25 x 18	3.25 x 17	3.25 x 18	3.25 x 18	3.25 x 19	3.25 x 18
" " " Rear, ins.	3.25 x 17	3.50 x 18	3.50 x 17	3.50 x 18	3.50 x 17	3.50 x 18	3.50 x 18	4.00 x 18	3.50 x 18
Brake Diameter—ins. (cms.)	5 1/2 (13.97)	5 1/2 (13.97)	7" (17.78)	7" (17.78)	7" (17.78)	7" (17.78)	8" F. (20.32) 7" R. (17.78)	8" F. (20.32) 7" R. (17.78)	8" F. (20.32) 7" R. (17.78)
Finish	Flame/Silver Grey	Burgundy Red/Silver Grey	Shell Blue/Sheen*	Alaskan White	Ruby Red	Regal Purple/Silver	Black/Silver	Regal Purple/Silver	Alaskan White
Seat Height—ins.	29"	30"	29 1/2"	30"	29 1/2"	30"	30"	30 1/2"	30 1/2"
Wheelbase—ins.	(73.7)	(76.2)	(74.5)	(76.2)	(74.5)	(76.2)	(76.2)	(77.5)	(77.5)
Length—ins.	49"	50"	52 1/2"	53 1/2"	52 1/2"	53 1/2"	55"	55"	55"
Width—ins.	(124.5)	(124.5)	(134)	(136)	(134)	(136)	(139.6)	(141)	(139.6)
Clearance—ins.	(195.5)	(195.5)	(206)	(206)	(206)	(209)	(213.5)	(214.5)	(213.5)
Weight—lbs.	255	265	(63.5)	(67.3)	(68.5)	(67.3)	(70)	(68.5)	(68.5)
Weight—kilos	(115.7)	(121)	(28.8)	(30.5)	(31)	(30.5)	(31.7)	(31)	(31)
Petrol—Galls.	(9.4)	(10.1)	(15.4-6)	(15.2-8)	(15.5)	(15.2-8)	(16.7)	(16.5)	(16.5)
Oil—Pints	(13.5)	(13.5)	(13.5)	(13.5)	(13.5)	(13.5)	(18)	(18)	(18)
" " " Litres	(2.1)	(2.1)	(2.1)	(2.1)	(2.1)	(2.1)	(2.8)	(2.8)	(2.8)

* Alternative—Silver Bronze

SPECIFICATIONS

200 c.c. Tiger Cub (T20)—Sports Cub (T20S/H)
350 c.c. Twenty-One (3TA)—Tiger 90 (T90)
500 c.c. Speed Twin (5TA)—Tiger 100 (T100S/S)
650 c.c. Thunderbird (6T)—Trophy (TR6S/S)—Bonneville 120 (T120)

ENGINE 200 c.c.

Single cylinder O.H.V. die cast-alloy cylinder head. Inclined valves. H section connecting rod with plain bearing big end. Dry sump lubrication. Efficient barrel type silencer. Air cleaner.

ENGINE 350 c.c. & 500 c.c.

Twin cylinder O.H.V. with two camshafts driven by gears. Pushrod operated valves in a light alloy cylinder head. Dry sump lubrication. Steel connecting rod with plain bearing big-ends. Oil pressure indicator. Silent Duplex primary chain with tensioner. Air cleaner.

ENGINE 650 c.c.

Twin cylinder O.H.V. with two gear-driven camshafts. Light alloy cylinder head, high compression pistons, large bore carburettor. Splayed port head with two carburettors on T120. One piece forged crankshaft with bolt-on central flywheel. H section RR56 alloy connecting rods with plain bearing big ends. Dry sump lubrication. Air cleaner (not T120).

GEARBOX

Four speeds with positive foot operation. Multiplate clutch with cork sheet linings and rubber torsion shock absorber.

ELECTRICAL AND LIGHTING EQUIPMENT

A/C D/C lighting-ignition system with crankshaft mounted alternator and emergency start circuit.

FORKS

Triumph telescopic type giving a comfortable ride and accurate steering.

FRAME

Strong heavy duty brazed frame. Swinging fork rear suspension. Hydraulically damped.

BRAKES

Efficient, smooth acting with large diameter drums and finger adjustment.

FUEL TANKS

All steel welded petrol tank. Ample capacity oil tank. Quick release filler caps.

NACELLE

T20, 3TA, 5TA and 6T only (Patent No. 647670). Integral with top of forks enclosing headlamp unit, instruments and switchgear.

WHEELS AND MUDGUARDS

Plated spokes and rims. Stylish rear enclosure on T20, 3TA, T90, 5TA, T100S/S and 6T. Sports mudguards on T20S/H, T90, T100S/S, TR6S/S and T120.

TWINSEAT ASSEMBLY

Cushioned twinseat covered with black/grey "Vynide" completely waterproof. Seat is hinged on 3TA, 5TA, T90, T100S/S and 6T, for access to oil tank, tools etc.

HANDLEBAR

Chrome plated bar with smooth action twistgrip. Heavy duty cables with built in adjusters.

TOOLS

Kit of good quality tools and tyre inflator.

EXTRAS

Q.D. rear wheel (all twins). Prop stand Pillion footrests. Steering lock (not 3TA, 5TA, T90 and T100S/S). Tachometer assembly (T20S/H, T90, T100S/S, TR6S/S and T120 only).

TRIUMPH ENGINEERING COMPANY LTD.
MERIDEN WORKS, ALLESLEY
COVENTRY

TELEPHONE COVENTRY 20221—GRAMS TRUSTY, COVENTRY