



Bonneville 650 / Tiger 650







Bonneville 650/Tiger 650

The Legend! The most famous Triumph of them all. The ultimate in 650 performance. The most consistent production race winner in its class. Twin cylinder, twin carb engine, five speed gearbox, competition type forks polished and plated, enormously strong twin tube frame with oil carrying top tube, powerful 2LS front brake, alloy hubs. Superb suspension and the positive rock-steady steering at all speeds for which every Triumph is known and respected.

Get astride a 'Bonnie' - you'll soon know what real motor cycling is all about.

Features *(L. to R. below)*

Bonneville 650: The engine which has made its mark in motor cycling history! Race bred power with dependability.

Tiger 650: Single carburettor flexibly mounted to large capacity air cleaner at rear.

Rear hub: Conical design in light alloy with powerful brake.

Silencers: Efficient twin megaphones.

Hinged seat: Well protected electrical gear, battery etc. instantly accessible on raising the seat.

Control layout: Handlebar shaped for maximum comfort and ease of control. Switchgear and instruments grouped for efficient operation.



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Tiger 650

The Tiger 650 offers the best of both worlds - with a specification

identical to the Bonneville except for the single carburettor set-up. It has performance to spare, with tractability, economy and smooth running.

Beautifully finished in a striking blue and white, it is designed for hard work and relaxed riding.



Other high performance models in the Triumph range.

1. TRIDENT 750, three cylinders.
2. BONNEVILLE 750/TIGER 750, twin cylinders.
3. DAYTONA 500 twin carbs, twin cylinders.

Ask your dealer for illustrated colour brochures on these models.



Specification

Engine: Twin OHV. Light alloy cylinder head. Valves pushrod operated from two gear driven camshafts. Alloy connecting rods with plain big end bearings. Ball and roller main bearings.

Tiger, Single carburettor. Bonneville, Twin carburettors.

Forks: Polished aluminium sliders. Two way hydraulic damping.

Rear Suspension: Swinging fork, hydraulically damped and adjustable for load.

Gearbox: Four/five speeds. Multiplate clutch with bonded segments and built-in transmission shock absorber.

Brakes: Light alloy hubs. Front 8" 2LS. Rear 7" brake with fully floating cam.

Electrical and Lighting

Equipment: 12 volt. One coil per cylinder. Crankshaft-mounted alternator. Master electrical switch and handlebar switch consoles. Direction indicators.

Frame: Welded frame with large diameter oil-containing main tube. Tapered roller steering head bearings.

Petrol Tank: All steel welded, with quick release filler cap.

Twin Seat Assembly: Hinged seat for ready access to electrical equipment.

Handlebars and Fittings: Chromium plated bar. Heavy duty cables with built-in adjusters.

Technical data

	Tiger	Bonneville	
		T120R	T120V
Model No.	TR6R		
Engine Type	OHV		OHV
No. of Cylinders	2		2
Bore/Stroke mm	71/82		71/82
Bore/Stroke ins	2-80/3-23		2-80/3-23
Capacity cc	649		649
Capacity cu. ins.	39-60		39-60
Comp. Ratio	9:1		9:1
Eng. Spr. Teeth	29		29
Clutch Spr. Teeth	58		58
G/Box Spr. Teeth	19		19
Rear Spr. Teeth	47		47
RPM at 10 mph (top gear)	660		660
Gear Ratio 5th gear	—	—	4-90
Gear Ratio 4th gear	4-95	4-95	5-89
Gear Ratio 3rd gear	6-15	6-15	8-92
Gear Ratio 2nd gear	8-36	8-36	9-09
Gear Ratio 1st gear	12-08	12-08	12-80
Carburettor Make	Amal		Amal (2)
Carburettor Type	R930		R930/L930
Primary Chain Size	3/8" Duplex		3/8" Duplex
Rear Chain Size	3/8" x 3/8"		3/8" x 3/8"
Tyre Size Front	3-25/19		3-25/19
Type	K70		K70
Tyre Size Rear	4-00/18		4-00/18
Type	K70		K70
Front Brake diam.	8"/200 mm		8"/200 mm
Type	2LS		2LS
Rear Brake diam.	7"/180 mm		7"/180 mm
Type	1LS		1LS
Finish	Blue/White		Gold/White
Seat Height	31"/790 mm		31"/790 mm
Wheelbase	56"/1420 mm		56"/1420 mm
Length	87 1/2"/2220 mm		87 1/2"/2220 mm
Width	29"/736 mm		29"/736 mm
Ground Clearance	7"/180 mm		7"/180 mm
Dry Weight lbs/kilos	386/175		387/175
Fuel Imp. gall/litres	4/18-2		4/18-2
(optional)	2/9-1		2/9-1
Oil Imp. pints/litres	5/2-8		5/2-8



Let the power speak

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