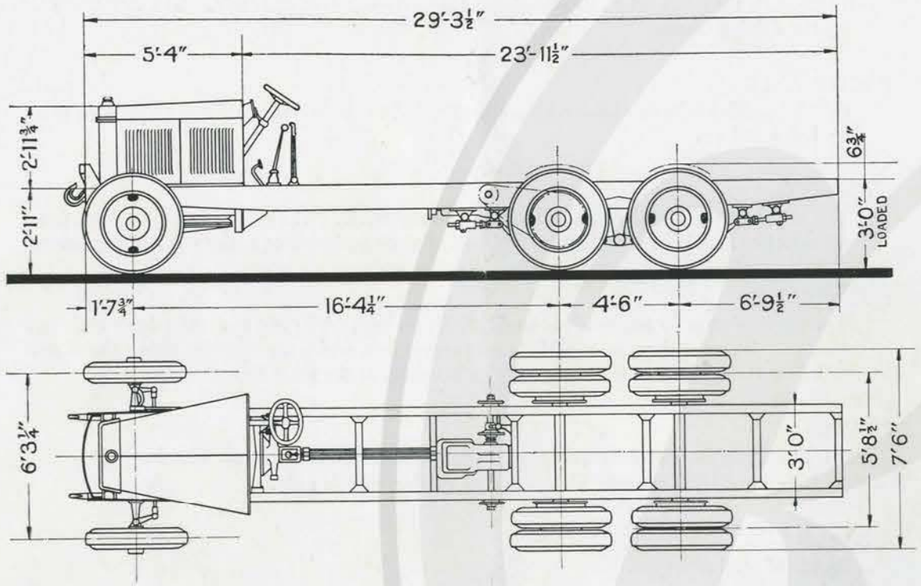
BODY BUILDERS' DIAGRAM OF BERLIET 10/12-TON CHASSIS



Drop-sided Lorry Body 18′8″×7′3″×2′6″ including Cab, Mudguards, Spare Wheel Carrier. Finished in Lead Colour **£115**

Furniture Van, Tilt Sheet, or Special Bodies quoted on request.

10/12-Ton Chassis .. .. .. Code Word: BRIMFILL.

Berliet

10/12-TON CHASSIS (TYPE G.P.F.)

(SIX-CYLINDER)

The practical, common-sense points of this super-powered, rigid six-wheeler are the 45 h.p. six-cylinder engine, four-speed gearbox, massive chassis frame, reinforced springs, powerful Servo and hand-brakes, electric lighting and starting and giant pneumatic tyre equipment, including spare wheel.

CHASSIS PRICE - 38 × 7 Pneumatic Tyres - £1,040

CHASSIS PRICE - 40 × 8 Pneumatic Tyres - £1,100

(Ex Works, Twickenham)

BERLIET MOTOR & ENGINEERING Co., Ltd.,

CAMBRIDGE ROAD - - TWICKENHAM, MIDDLESEX

Phone: POPESGROVE 2111 Nearest Station: Richmond

SPECIFICATION OF BERLIET SIX-CYLINDER RIGID SIX-WHEELER

CHASSIS FRAME

Constructed of deep channel section pressed steel—best Martin-Siemens quality—and substantially cross-braced, ensuring perfect rigidity.

ENGINE

Type " M.L.P.C. " ; R.A.C. rating, 45 h.p. ; six cylinders cast in two pairs of three, bolted to cast iron crankcase ; detachable cylinder heads ; bore 110 mm., stroke 140 mm. ; all valves are located on one side of engine and operated by a single camshaft ; lubrication by a submerged gearwheel pump driven by skew gear from the camshaft under pressure of camshaft and main bearings by independent feed and through drilled crankshaft to big end bearings ; Zenith carburettor—special design for this engine, ensuring the most suitable mixture at all speeds ; Berliet patent centrifugal speed governor operating separate butterflies in induction pipe—limiting the maximum speed of the engine to 1,500 r.p.m. Magneto ignition with variable advance ; cooling assisted by centrifugal water pump and four-bladed fan ; engine is three-point-suspended in the frame, having two arms at the rear and a trunnion in front ; chassis lubrication by high pressure grease gun.

CLUTCH

Multiple plate, working dry. Enclosed in housing bolted to the engine crankcase, and supporting the gear and brake levers. Ferodo-lined plates and clutch stop.

GEARBOX

Sliding gearwheel type, giving four speeds forward and one reverse. Central change. The gearbox of cast iron, is suspended at three points and contains the differential gears.

SERVO BRAKE

Operated mechanically by friction, and controlled by the pedal. A hub plate splined on the near-side jackshaft, and controlled by the brake pedal, comes into contact with a second revolving plate supported on the gearbox. The second plate winds up a chain coupled to the brake operating gear.

TRANSMISSION

By flexible disc couplings between clutch and gearbox, and by heavy roller chains from the jackshafts to the wheels of the foremost rear axle.

The driving sprocket has eighteen teeth, and the crown wheel forty teeth.

The drive and torque are taken by specially designed springs.

ELECTRICAL EQUIPMENT

12-volt starting and lighting set, five lamps, dynamo and ammeter.

REAR WHEELS

Two axles of 90 mm. section are assembled to the springs by the spring clips.

The wheels are mounted on ball bearings at the extremities of each axle. The foremost pair are the driving wheels.

FRONT AXLE

Of " I " section with two jaw-ended stub axles, and the wheels are mounted on the stub axles on ball bearings.

STEERING

The steering is of the worm and sector type ; irreversible. The mechanism is enclosed in an oil-tight box. A large reduction is employed to give easy handling under full load conditions.

SUSPENSION

The suspension is by means of six semi-elliptic springs. The two rear axles have each two springs. These springs are shackled to a pivoted link, which arrangement allows the wheels to follow the contour of the road, working normally at the same time.

BRAKES

(1) The footbrake pedal controls Servo-operated shoes on all four rear wheels.

(2) The hand-lever operates brakes on the driving wheels only.

WHEELS

Eleven of steel disc type.

TYRES

Ten straight side, 38 x 7 or 40 x 8, tyres ; twin on both rear axles.

PETROL TANK

Located under driver's seat ; feeds the carburettor by gravity. Capacity, 22 gallons.

CHASSIS LUBRICATION

By grease gun throughout.

DIMENSIONS

Wheel base	16′ 4¼″
Track, front	6′ 3¼″
,, rear	5′ 8½″
Overall length	29′ 3½″
,, width	7′ 6″
Height of frame	3′ 0″ (loaded)
Dash to end of frame	23′ 11½″