



**KEL-BERG BULK
TRAILER**

**KEL-BERG T97 ALUMINIUM
SLOPED BULK TRAILER**

CHASSIS SPECIFICATION

Ver.2 | Issued
11/24

KEL-BERG T97 ALUMINIUM SLOPED BULK TRAILER

Chassis Dimensions:

Overall length:	10,727 mm
King pin position:	700 mm
King pin design weight:	16,000 kg
Neck depth:	200 mm
Chassis main rail centres:	1,300 mm
Fifth wheel height:	1,200 mm

	Design Weights	UK Axle Weights
Axle 1:	9,000 kg	8,000 kg
Axle 2:	9,000 kg	8,000 kg
Axle 3:	9,000 kg	8,000 kg

Chassis Construction:

I-beam profiles in Quality high tensile steel at 1300mm centres for improved stability. Cross members are also in high tensile steel U-section profiles. The total concept gives a strong and flexible chassis. Retractable under run bumper is fitted.

Galvanised, bolt on stays with swing up anodised aluminium side guards fitted on both sides. These are easily changed if damaged. Retractable, swing up, rear under-run bar finished in RAL 9010 White.

Chassis Finish:

The chassis is shot blasted and degreased to DIN standard. A KTL coating is applied prior to primer application. The trailer is cured with PUR-acrylic paint applied, giving a high gloss and long lasting finish.



Axles & Suspension:

3 x 120 offset DCA TE5/8KC7-9 axles with 430 mm disc brakes, maintenance – free cartridge bearing, axle tube and suspension frame finished in cathodic dip primer.

DCA air suspension with auto reset raise and lower valve, along with twin lift bags for the auto drop front lifting axle.

Braking System:

Two line air pressure system with Knorr EBS (electronic brake system). Spring brakes on 3 axles. ABS sensors on two axles, C and CA couplings mounted on chassis front. Park and shunt valve and EBS diagnostic socket mounted in the chassis for easy maintenance.

Wheels & Tyres:

6 x Premium Radial 385/65R22.5. Wheels are steel 120 mm off set 11.75 x R22.5. Natural Finish.

Mud Wings:

6 x plastic wings mounted on bolt on wings stays with 2 rear mud flaps.

Landing Legs:

2 off Jost modular E 300 low maintenance with rocker feet and 2 speed gearbox.



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Electrics:

24 volt ISO system. 2 per side 3 chamber lights. 1 x fog light and reverse light. 2 x number light. 2 x End outline marker lights. 2 x front marker LED lights mounted to chassis.

Front side marker LED lights mounted on chassis. Front side marker LED lights fitted to C & U regulations. Rear marker plates and reflectors. 2-7 pin ISO plugs and 1 ABS/EBS plug mounted separately. Electrical system is ISO.



Body Dimensions:

Internal Length:	10,300 mm
Internal Height:	2175 mm at rear of trailer
Internal Width:	2460 mm
Cubic yard:	70 (55 m ³)
Front Bulkhead:	4.6 mm
Side Wall Thickness:	3.2 mm (Inner) 1.8 mm (Outer)
Floor thickness:	6 mm last 1.8 metres is 8 mm thick.

The Kel-Berg sloped body has smooth sides which help to reduce fuel consumption by 6%. This will ensure the operator has a very versatile tipping trailer that can be used to carry a wide range of products. The extruded top rail has a bevelled edge to stop material resting on it.

Tailgate:

The rear tailgate is top hung with a lever action to allow clearance for hoppers. The tailgate is planked type with an automatic locking mechanism for rear door that operates in tip mode.

The tail gate is automated using an air operated system. The tail gate is a top hinge arrangement with 200 mm forward set pivot point to allow for maximum aperture, making for easier load discharge. Also complete with rack and pinion grain hatch.

Tipping RAM:

Mid mounted EDBRO CS 18 tipping ram is fitted to the front of the body. Operates at a maximum of 150 bar.



Finish:

Body parts are finished in a single colour.

Warranty:

- 24 month on Kel-Berg chassis & body
- 36 month on EDBRO tipping ram.
- 24 month on sheeting system (via sheet supplier).

Non Kel-Berg items and components have various warranty terms and conditions.

