



**KEL-BERG**  
**T109**

**KEL-BERG T109 ALUMINIUM**  
**CONVEYOR BELT TRAILER**



# CHASSIS SPECIFICATION

Ver.1 | Issued  
07/21

## KEL-BERG T109 ALUMINIUM CONVEYOR BELT TRAILER

### Chassis Dimensions:

|                         |                  |
|-------------------------|------------------|
| Overall length:         | 10,035 mm        |
| Overall width:          | 2,550 mm         |
| 5th Wheel height:       | 1,250 mm         |
| Neck depth:             | 200 mm           |
| Bogie design weight:    | 27,000 kg        |
| King Pin position:      | 855 mm           |
| King Pin design weight: | 16,000 kg        |
| Un-laden weight:        | 8,300 kg approx. |

Distance from the king pin to rear axle is suitable for 44 ton operation - 8,035 mm.

### Chassis Construction:

I-Beam profiles are constructed from a high quality, high tensile steel. A retractable under-run bumper is fitted as standard. Alloy side guards are fitted to meet current EEC regulations.

### Brake System:

A 2-line air pressure system with Knorr 4S/2M electronic brake system (EBS) is fitted. Spring brakes are fitted to all three axles with an ABS sensor on two.

C and CA couplings are mounted on the chassis front. Park & shunt valve, and ABS diagnostic socket are mounted in the chassis for easy maintenance.



### Tyres & Wheels:

Fitted with 6 x premium 385/65R22.5 tyres. The wheels are steel 120 mm offset 11.75 x R22.5 with a natural finish.

### Axles & Suspension:

It is fitted with 3 BPW drum brakes and 9 ton "Off Road" axles. BPW air suspension is fitted which is complete with raise & lower valve and fully automated front lift axle.

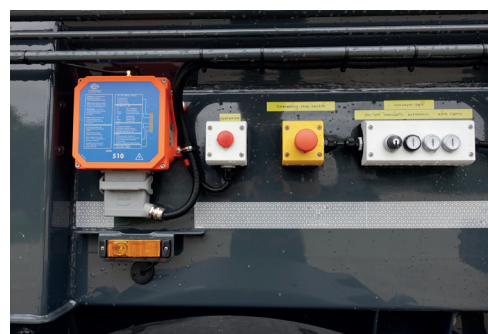
### Wings:

6 x plastic wings are mounted on bolt-on wing stays with 2 Kel-Berg branded mud flaps.

### Electrics:

Fitted with a 24 volt ISO system. This is comprised of:

- 2 x Hella 3-Chamber lights on both sides
- 1 x Hella fog light and reverse light
- 2 x front marker lights mounted on chassis
- Side marker lights fitted to C&U regulations
- Rear marker plates and reflectors
- 2 x 7 pin ISO plugs
- 1 ABS plug mounted separately





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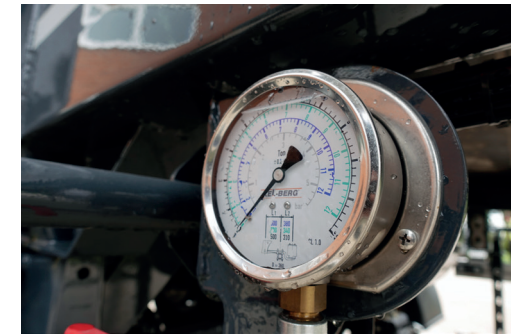
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### Landing Legs:

Fitted with 2 x JOST LS500S850-3 landing legs.

### Chassis Finish:

The chassis shot blasted to DIN standard. It is primed using I.C.I two pack primer then finished in a gloss colour.





## BODY SPECIFICATION

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### Body Dimensions:

|                        |   |
|------------------------|---|
| Internal length:       | 9,575 mm                                  |
| Internal height:       | 1,450 mm                                  |
| Internal width:        | 2,440 mm                                  |
| Cubic yard capacity:   | 39.9 y <sup>3</sup>                       |
| Cubic metres capacity: | 30.5 m <sup>3</sup>                       |
| Side wall thickness:   | 3.2 / 4 mm (front & rear bulkhead - 3 mm) |

### Body Construction:

The Kel-Berg fixed side body is constructed around a steel frame. The outer sloping side walls are covered by aluminium panels that are held in place using steel straps.

The inside of the bevelled shaped body is constructed from highly wear resistant pressed HARDOX 450 HD wear plates with easily removable lower panels that can be replaced when required. Each side has a fixed ladder half-way down the body.

### Conveyor:

The product is discharged from the trailer using a 1,400 mm wide conveyor belt. This is constructed from a specialised heat and oil resistant 4-ply rubber. This is supported by U-profile steel cross members which are attached to heavy duty steel drive chains on each side.

It is controlled through valve blocks with levers, or remotely operated with soft start. An ultrasonic sensor at the rear stops the conveyor if the loads starts to heap in the paver.





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### Insulation:

The body is insulated with 80 mm Rockwool panels which are placed between the inner and outer skin, providing effective insulation.

### Hydraulic System:

The belt is driven via a hydraulic motor and gearbox which requires the towing vehicle to be fitted with a hydraulic PTO pump and tank. This must produce the following flow: 125 L per minute @ 220 bar.

### Rear Door:

The rear door is a single piece door which is opened by a single hydraulic RAM.

### Finish:

Body parts are left in stainless steel finish unless requested otherwise.

