

Fliegl Fahrzeugbau GmbH
Oberpöllnitzer Str. 8
D-07819 Triptis
Telefon +49 (0)36482 830-0
Telefax +49 (0)36482 830-60
eMail presse@fliegl-fahrzeugbau.de
Internet <http://www.fliegl.com>



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Efficient, lightweight, robust Revolution tipper trailers from Fliegl

With the DHKA 350 "Revolution" tipper trailer from Fliegl, businesses can earn more money right from the first trip – thanks to up to 1000 kg more payload and a lower unladen weight.

It is more important than ever to save fuel, yet with construction vehicles, frequent empty runs can hardly be avoided, for example on the way back from a construction site. The key factors here are a high payload and above all, low unladen weight. The DHKA 350 Revolution tipper trailer offers both: With the vehicle on display, Fliegl achieves a payload of 31,000 kg with an unladen weight of only 3900 kg. Depending on the equipment fitted, an unladen weight of under 4000 kg is even possible - a record in the industry!

Lightweight construction and efficiency

The lightweight chassis with patented curved frame front rolls on polished aluminium rims, the side walls of the aluminium trough are made from 30 mm hollow-chamber profiles and in the 25-m³-variant on show, is only 1,450 mm high. This means the tipper trailer is lower than the cab – together with the sliding canopy, this ensures lower wind resistance. When the trough is empty the airstream no longer catches on the tail gate, which is convex and reduces wind resistance. Axles which are precision-measured and set via laser at the factory ensure low rolling resistance, low fuel consumption and lower wear on the tyres.

Details

It is the clever details in everyday use which make the tipper trailer so convincing: Thanks to the specially integrated wing, bulk goods which are spilled fall straight to the floor – and not onto the road while the truck is underway. The conical, aerodynamically-shaped Greenline troughs are 5 cm wider at the rear than at the front, so that no load sticks, while a rubber seal ensures that the membrane rear wall is as good as watertight, ideal for moist bulk goods. The double-jointed hinges facilitate tipping by allowing the tail gate to open particularly wide. The electric drive removes the need for tiresome manual opening and closing of the canopy; the driver operates the Cramaro sliding canopy either directly from the trailer or via radio remote control.

And when the drive axle of the towing vehicle is put to the test on wet, muddy construction sites, the approach aid comes to the rescue: The 1st axle is designed as a lift axle which can be raised

Ihre Ansprechpartner am Telefon

Tina Böttcher +49 (0)36482 830-218

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when the axle load is exceeded by up 30%. When a speed of 25 km/h is reached, the axle is automatically lowered again. SAF disk brake axles in off-road design are fitted.

Safety

Good lighting means more safety, and not only in the dark winter months. Two LED lights on the rear illuminate the working area to the rear of the vehicle, and the light clusters with dynamic indicator, the side marking lights, position and tracking lights are also in LED design. The aluminium access ladder “safety plus” also means increased safety at work.

Durability

In the rough and tumble of everyday work on a construction site, durability is of the essence, and Fliegl proves that lightweight design and durability are not mutually exclusive: The 5-millimetre aluminium plates which form the trough are particularly lightweight, but with a Brinell hardness of 110, they are extremely hard and abrasion-proof – which ensures low wear even with abrasive loads.

Fliegl offers a 10-year warranty against perforation corrosion of the frame. As the only vehicle manufacturer on the market, Fliegl also considers the air spring supports; located at the lowest point of the vehicle, they are permanently exposed to dirt and moisture on the construction site. Thanks to hot-dip galvanised air spring arms, nothing stands in the way of a long service life.

Key points at a glance:

- Available with up to 1000 kg more payload and from an unladen weight of 3900 kg
- Curved chassis in hardened steel, combined with a trough made from lightweight aluminium
- Tapered aluminium trough, only 1,450 millimetres high (25-m3 variant)
- Galvanised air spring supports with 10-year warranty against rust
- Electric Cramaro canopy “Cabriole” (rolling tarpaulin and standing platform available)
- Membrane tail gate with double-jointed hinge, clamping bolts, rubber seal
- Stone-repellent integrated mudguards

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Fliegl Trailer at IAA transportation in Hannover: **Hall 27/C37** and open area **K42**.

Your contact person for further onformation:

Tina Mészáros
Tel.: 036482 830-218
Mobil: 01514 0237361

Ihre Ansprechpartner am Telefon
Tina Böttcher +49 (0)36482 830-218