



Efficient and versatile: Fliegl tipper semi-trailers in combined transport

IMAGE SOURCE: Fliegl Agrartechnik GmbH

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- Fliegl has expanded its semi-trailer fleet to include the ZHKA 350 tipper semi-trailer, designed for agricultural efficiency and long-distance transport.
- The ZHKA 350 features a lightweight, high-performance design with a gross vehicle weight of approximately 31 tonnes and an unladen weight of about 6 tonnes, optimizing payload capacity.
- Its design includes a nova-grey curved frame front for weight savings and stability and a conical aluminum box body that facilitates easy unloading of agricultural goods.

- The semi-trailer is equipped with air suspension with tilt lowering for smooth rides and maximum stability during the tipping process, with options for different tire configurations based on speed requirements.
- Standard equipment includes a roller tarpaulin with a platform for load security, uniquely designed for easy access to compressed air and electrical connections.
- An optional hydraulic "TopLift Light" folding roof is available for quick and easy covering of loads like silage and wood chips, controllable from the driver's seat via radio remote control.

In addition to push-off trailers, a tipper is now also firmly integrated into the **Fliegl** semi-trailer fleet product portfolio. The ZHKA 350 tipper semi-trailer is based on a lightweight, high-performance design for maximum transport efficiency.

As agricultural areas are becoming ever larger and the distances to be travelled ever longer, the agricultural sector needs long-term solutions for this structural change. The use of trucks in agriculture therefore plays a decisive role in transporting large quantities of agricultural goods quickly and in a way that conserves resources. Fliegl Agrartechnik is therefore expanding its range of trailers to include a tipper semi-trailer.

The innovative ZHKA 350 2-axle rear tipping semi-trailer with aluminium body offers a range of features designed for optimum performance and versatility. With a gross vehicle weight of approx. 31 tonnes and an unladen weight of approx. 6 tonnes, depending on the equipment, the ZHKA 350 offers an impressive payload. The nova-grey curved frame front is striking, without corners or edges. It saves weight in favour of the payload and stabilises the frame, as vertically acting forces are optimally bundled and transferred to the fifth wheel coupling plate. There is a steel guide on the underside of the curved chassis, which simplifies coupling and prevents damage. The rounded shape also makes manoeuvring easier, as there is more freedom of movement for the tractor unit without corner surfaces.

The 9300 mm long aluminium box body is conical, so it becomes wider towards the rear. This favours the unloading of any agricultural transport goods. Even moist materials such as manure and silage slide off easily. The rear wall with rubber seal and turnbuckles as well as the 400 x 400 mm grain hatch make the ZHKA 350 versatile for a wide range of transport goods, including grain and even rapeseed as well as moist loads such as manure. No liquid escapes, as the body is completely sealed. Particularly noteworthy is the pendulum rear wall with double-jointed hinges and double hook locking, which enables lateral levelling of up to 300 mm and fast unloading.



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The air suspension with tilt lowering results in a very smooth ride on the road. Together with the wide spring centre due to the rigid axles, maximum stability is achieved during the tipping process. The tilt lowering function can optionally also be deactivated. An adjustment lever for raising and lowering enables active control of the air suspension. Depending on the speed configuration, 600/55 R26.5 tyres at 60 km/h or 24 R20.5 tyres at 80 km/h are fitted on the rigid axles.

To secure the load, the ZHKA 350 is supplied with a roller tarpaulin with platform as standard. The standing platform at the front of the Fliegl tipper semi-trailer is bolted directly to the sleeve of the tipping cylinder. This allows the platform to swivel backwards over the fifth-wheel plate when tipped up, reducing the overhang forwards over the kingpin. The compressed air supply and electrical connections are installed on the platform, allowing the driver to couple the connections while standing. Only Fliegl positions the connections

in such a way that the driver can reach them without having to crawl under the vehicle.

A hydraulic "TopLift Light" folding roof is available as an option. The folding roof provides a simple and quick cover for silage and wood chips and, depending on the equipment variant, can be conveniently controlled from the driver's seat via radio remote control.

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