

Ice-free through the winter

The Edscha TS engineers have developed a system that gets water off tarpaulin roofs quickly, safely, and efficiently. The pneumatic drainage system for roof tarpaulins is now ready for serial production and will be presented on the IAA 2012.

According to §23 of the German traffic regulations, the driver of a truck has to make certain that the vehicle, the road train, the truck-trailer combination as well as the cargo and manning are as prescribed, and that the transport safety of the vehicle does not suffer because of the cargo or the manning. At the same time, the employer's liability insurance coverage forbids the vehicle driver to climb onto the roof. If one is not in a specially equipped place – such as some truck stops which have suitable equipment – the water that accrues overnight and later freezes over cannot be removed from the roof, unless one defies the climbing ban. Or the driver takes the risk to ignore the regulations and just drives off, putting him and others in danger.

If water shooting onto the road from truck roofs – and a tarpaulin roof can hold up to 1.000 liters – is a huge danger for the following traffic, the ice plates flying onto the roadway in a wide arc are deadly projectiles for the subsequent vehicles. The more than unpleasant consequences for the carrier and his driver can include charges up to involuntary manslaughter. The largest danger is the ice that builds in the night and then detaches by day during the drive. Here, ice plates of 80–100 kilogram can form an incalculable risk for any freight carrier.

It is also economically harmful not to remove these loads from the roof before driving. Herein, apart from banishing the danger for others, lie the advantages of the Edscha DrySystem: The spontaneous ballast dragged along by vehicles without a roof drainage system can weigh up to a ton. The accruing additional fuel costs are saved through the use of the DrySystem. With an erected roof, no water puddles can build up on the tarpaulin, the rain simply flows off on the sides. Damages to the cargo through water on the tarpaulin, if the tarpaulin is even slightly damaged, become a thing of the past. Thus, you can save yourself troubles as well as follow-up expenses through insured losses.

The mature DrySystem structure increases the safety for all participants and redeems itself quickly, already because of the time savings. In the future, Edscha-TS roofs can be ordered directly with an integrated DrySystem. Of course, retrofitting is also no problem, and the usual warranty for Edscha TS tops includes the DrySystem. No comparable system can rid the roof of unneeded water ballast faster and safer; and where there is no water, there is no ice either. An Edscha TS roof with the DrySystem is raised only to a third of the height of usual roof drainage systems. This happens through the truck's own compressed air system; the vehicle is ready to go after just one third of the time compared to other products.

Under the tarpaulin there are almond-formed air chambers that, when inflated, not just raise the roof but also generate additional longitudinal tension over the whole roof. Thus, the straps are not raised, and there is no excessive pull on the tarpaulin's side fastening or any other point of the roof. At the same time, the air requirements are so low that in most cases the auxiliary consumer air accumulator suffices to raise the roof without the drawing vehicle. And even if one or the other air pocket is defect, the work of the roof is not impaired, as the air chambers can be bridged quickly and easily.

Additionally, the small height by which the roof is raised, preserves the material. All of this enhances the lifetime and minimizes the service efforts. The superior design principle and extremely good durability of the DrySystem also shows on the air tube material: It is especially elastic and so permanently avoids cracks and holes.

For companies that have their own washing plant, thousands of liters of water that do not need to be carried off the washing plant due to the Edscha TS DrySystem can be saved.

The DrySystem is the first and only roof drainage system with the Edscha TS warranty!

More information: Please visit hall 26 stand A26