

SYSTEM SNOW OUT TRUCK TWINS– system for snow removal from vehicles



Snow and ice that accumulated on roofs of trucks and TIR's during overnight stops on car parks constitute significant hazard for traffic users. The snow charged roof of such a large vehicle could slide off from the roof and its snow and ice debris might be blown down onto the road, causing risk for other road users, damages of vehicles, accidents and hazard of people near the passing by large vehicle. Therefore, it is important to remove the deposited snow and ice from the truck roof efficiently before the departure. Normally, this is carried out manually as an inefficient and laborious activity. The KLIMAWENT designed and manufactured SNOW OUT TRUCK TWINS systems offer perfect snow/ice removal for each TIR roof just within several minutes, by means of strong streams.

Structure and function

SNOW OUT TRUCK TWINS consists of two adjacent ventilation chambers that are equipped with vertical ducts, ended with discharge nozzles, directed onto the snow charged roof. The discharge air is distributed in such a way that the first nozzle directs the strong air stream onto the area near the roof edge, whereas the other nozzle operates the middle line of the vehicle roof. Due to the double-nozzle cooperation, the whole roof surface is cleaned efficiently. Subsequently, the snow/ice debris fall on the other side, beyond the served vehicle. All this process lasts about 3 minutes.

Assembly

Ventilation chambers ought to be placed at a designated place within the park place, for snow removal. The ground must be firm – i.e. concrete, asphalt, bituminous or paving cubes. As the chambers are heavy and stable, they do not need to be fastened to the ground and the whole system is firmly connected with ducts. Additionally, the foundation area must be supplied with 3x400V cable. After the system is installed at the place and connected with ducts, it is important to create a vehicle passage way with bollards. The first row of bollards should be 0,7 metre far from the ventilation chambers. To start the system, the driver should switch on each chamber, whereby the fans shall switch off automatically after 5 minutes.

Type	Part No.	Supply voltage [V]	Motor rate [kW]	Maximum width of the vehicle [m]	Maximum height of the vehicle [m]	Noise level [dB(A)]	Weight [kg]
SNOW OUT TRUCK TWINS	843W62	3x400	2x15	2,5	4,2	85	1300

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