



EAGOSH-Recommendation No 2 regarding climatic stress in aircraft tractors

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by Dr. Stefanie Wagner, Lufthansa, Medical Doctor Occupational Health
phone +49 69 696 7627
fax +49 69 696 4442
E-Mail: Stefanie.Wagner@DLH.DE**

Members of the Working Group

Dr. Stefanie Wagner	DLH
Dr. Dirk-Matthias Rose	Uni Mainz
Andreas Fries	Dupont
Uli Fleischer	HTS/boco
Dr. Jörg Hedtmann	BGF
Joachim Klaus	DLH
Dr. Walter Gaber	FRAPORT

Climatic stress in aircraft tractors

1. Solar exposure causes raising temperature in closed cabins of aircraft tractors.
To prevent unhealthy noise and interference of radio communication, tractor windows should not be opened for relief.
2. With increasing temperature in cabins of a/c tractors a limitation of physical and mental ability can be observed.

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3. These limitations can result in higher risks of accidents depending on duration and intensity of strain.
4. Those risks can be reduced by keeping the cabin temperature on a level related to the so-called „thermal comfort“ *).

*) Thermal comfort under working conditions is a climate with a defined range of air temperature, relative humidity and air speed, regarding radiant temperature, clothing and activity, that does not impair working ability and safety.

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5. This requires an increased airflow rate when cabin temperature is raising.
6. Whenever the cabin temperature reaches a level equal to the skin surface temperature, an increased airflow rate itself cannot achieve „thermal comfort“. Under the condition of high cabin temperature and solar exposure „thermal comfort“ can only be obtained by using air-conditioning.

Climatic stress in aircraft tractors

7. EAGOSH recommends to equip all new a/c tractors with air-conditioning.

Existing vehicles should be refitted with air-conditioning.

If air-conditioning will not be possible, organisational measures should be taken in order to reduce risks (e.g. pause management).

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8. If similar strain will appear in other ramp-vehicles, analogue measures should be taken

