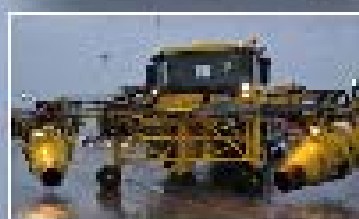
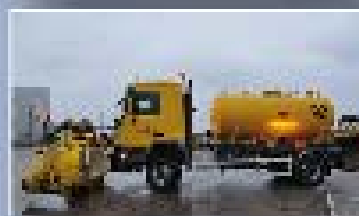




TURN YOUR SNOWPORT
BACK INTO AN AIRPORT!



A·D·E JET

Snow & Ice Remover

Deicing of your runways

The aircrafts of your customers can only operate safely on snow and ice-free runways. Effective solutions are necessary to guarantee adherence to the flight plan.

Snow plow trucks, sweepers/blowers and dispersing or spraying deicing vehicles often require a time-consuming treatment in case of icy or snow-covered surfaces. Last but not least, the availability of the deicing agents has to be ensured. Damages to the optical taxiing and landing aids cannot be ruled out...

Win-ter-dienst, der [vɪntə diːnst]

Gesamtheit aller Maßnahmen zum Beseitigen und zum Schutz vor Schnee und Eis auf Flugbetriebsflächen. Herkömmlicher Einsatz in Kolonnen (Bestandteile: Schneepflug, -Fräse, Kehrblasgerät, Sprühfahrzeug). Meistens Einsatz kostenintensiver Enteisungsmittel notwendig.

**WENIGER SCHNEE SCHIEBEN.
MEHR TEE TRINKEN.**

Use deicing agents where they are needed:

To achieve longer hold-over times on runways and taxiways and not to defrost icy surfaces.

More quickly and longer usable runways preserve the capacity of your airport - also in case of winterly weather conditions.



Gate	Bemerkungen Remarks
A 6	CANCELED
C 2	CANCELED
C 4	CANCELED
B 5	CANCELED
A 7	CANCELED
A 5	CANCELED
C 3	CANCELED
B 6	CANCELED



Optimize the performance of your snow and ice control
now with the
A°D°E JET Snow & Ice Remover!



Freezing Rain

2-3 times longer holdover time

Before water can freeze on top of the airport operating surfaces,

A°D°E JET blows it away.

If a deicing agent is then sprayed on top of the dry surface, it will stay 2 - 3 times longer effective. This saves deicing agents and improves the runway availability.

A residue-free removal of snow and ice allows easy-going working.

It achieves here a range of action of 25 m at a speed of 35 km/h.

Freeing of runway lightings that are stuck in snow

Less snow and ice control damages

Especially under unusual meteorological conditions a safe and reliable traffic guidance is very important. In order to keep your lighting system clearly visible and free of snow, the **A°D°E JET** Turbine can also be used to blow overground runway lightings free.

When used properly, less damages occur than in case of clearing snow. The recommended speed is 5 km/h.

Furthermore, runway inset lights are less often damaged by shovels that have been adjusted too low.

Ice sheets

Use operating surfaces immediately

Till now, the removal of ice from runways has been a time-consuming matter, which not only required a lot of deicing agents, but also a high number of personnel.

The **A°D°E JET 2 Snow & Ice Remover** removes at walking speed up to 8 -10 cm thick ice sheets. at a width of 2 - 5 m. By combining both turbines, optimal results are achieved: One turbine loosens the ice sheet, so that the other one can blow it away.

Your operating zones are immediately ready for use again!

Wet snow

More effective clearing of snow

If the **A°D°E JET** is used behind a group of snow plow trucks and sweepers/blowers, then it optimally removes remaining snow slush, which is particularly hard to remove mechanically from grooved runways.

Here it achieves a range of action of 20 m at a speed of 35 km/h.



The System

Air at a velocity of 420 m/s

...quickly blows away snow, ice, water and slush. The heat effect of the jet supports the effect of the blower at a percentage of approximately 30 %. If the vehicle is stopped, then the turbine can be brought into a horizontal position so that surfaces will not be damaged in case of longer exposure.

In normal operation and at a speed of at least 2 km/h, no damages occur at the surfaces, markings, parts of the lighting system and the like. In the horizontal position, the turbine can run more than 15 minutes at maximum load without the ground surface being damaged.

sene per hour.



The **A°D°E JET Snow & Ice Remover** is a deicing machine based on aviation turbines, which effectively and reliably removes all sorts of deposits from your runways. The required fuel, kerosene, is available at all airports and is transported within a tank on the vehicle. Quick mounting on standard trucks such as „Unimog“, „Mercedes Actros“, „Volvo“ or similar models with hydraulically adjustable front plates according to DIN 70606. If you don't have your own vehicle, let us recommend you one that is suitable for the **A°D°E JET**.



12 -15 degree angle of incidence

...provide an optimal result - without restrictions. A noise of 61 dB (A) can be measured at a distance of 300 m from the **A°D°E JET 2 Snow & Ice Remover**. At maximum load it increases to 82 dB (A).

For comparison, a starting Boeing 737 reaches 86,4 dB (A). At maximum load a turbine uses 650 liters of kero

One-man operation & training

...guarantees freedom of resources for other tasks. Employee training is performed on site - your employees will know everything about the operation after one hour. After our demonstration, we of course allow you enough time to ask questions and operate the system yourself.

Service

...and maintenance work are included by contract. They are performed on site by our specialists. If performed at the appropriate intervals, the **A°D°E JET** will always be reliably available to you.



Complete system

The **A°D°E JET Snow & Ice Remover** complete system includes:

Optionally one or two turbines with a frame for mounting onto the front plate of the vehicle:

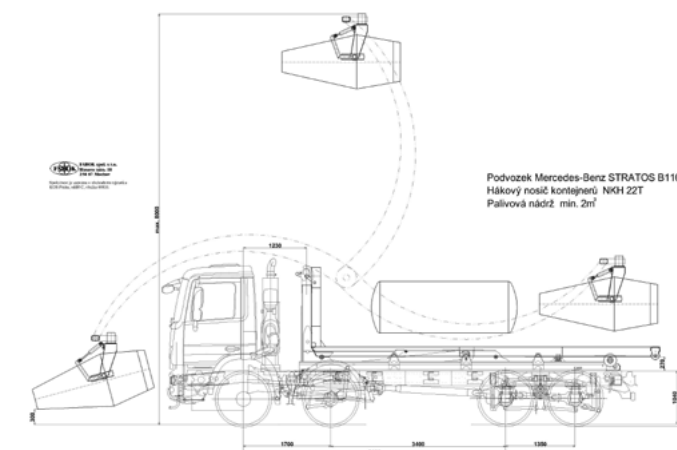
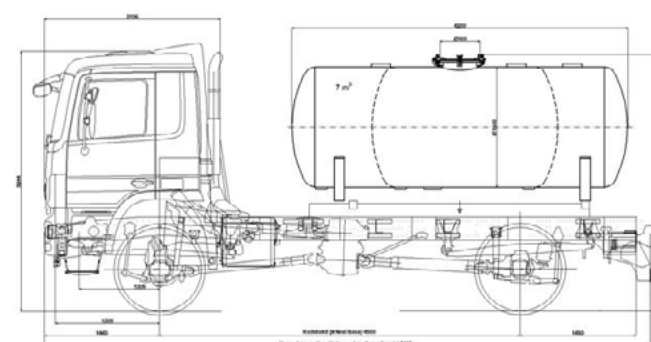
- **A°D°E JET 2:**
 - Independently from each other, the two turbines can be moved continuously around three axes:
 - The crossbeams can be extended hydraulically up to a **width of 13 m**.
 - The **rotating movement** of the turbines is limited, so that the blower can only be moved into the opposite driving direction and the jet is at all times within the viewing range of the driver.
 - **Swiveling** into a horizontal position makes longer waiting and standing times possible without damaging the underground. At lowest position and at walking speed, the surfaces also remain intact.

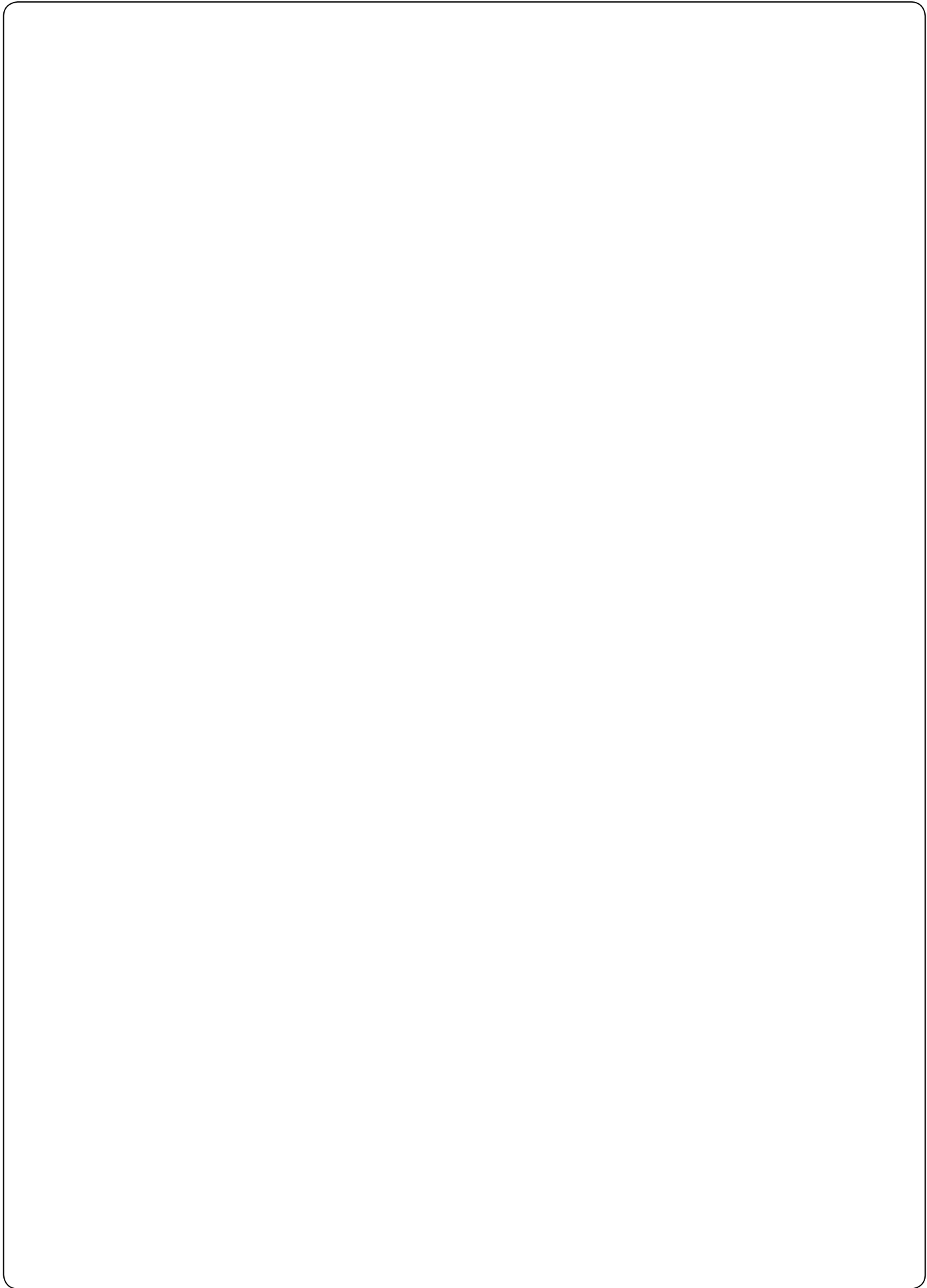
The entire power control system including display of rotational speed and exhaust gas temperature of the turbine(s) as well as the possibility to safely shutdown the system from the inside and outside.

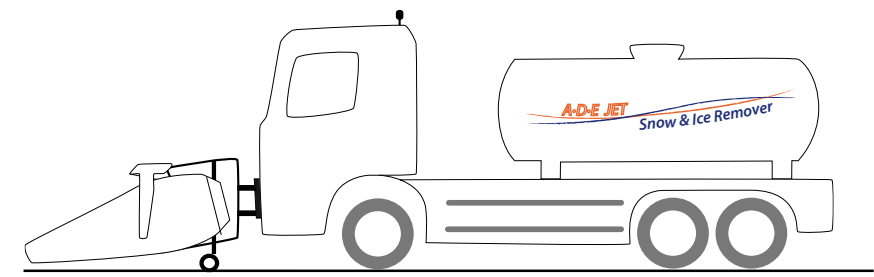
Optional upgrading of a suitable vehicle by:

- Fuel tank
- Strobe lights and lighting devices
- Air-tight sealed driver's cabin including a ventilation system that pressurizes the cabin and carbon-monoxide alarm devices to prevent the driver from being exposed to exhaust gases.

Aircraft radio and operating radio devices









ADE JET



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