

## FIRST ELECTRIC DEICER ON THE MARKET



### MAJOR ADVANTAGES

- » Electric deicing for minimal carbon footprint
- » Deice 15-20 aircraft without running the truck engine
- » Low noise
- » Clean working environment
- » Well-known BETA efficiency and reliability

The Elephant® BETA is now launched as an electrically operated version of the iconic deicer. With a fully charged battery you will be able to deice 10-15 aircraft (equivalent to 4-5 hours of operation) without running the truck's chassis engine. All except fluid heating is run electrically.

The Vestergaard Elephant® e-BETA can reduce greenhouse emission, including carbon dioxide and nitrogen oxides, by up to 87% per truck each year. The Elephant® e-BETA is equipped with an OEM lithium-ion battery, which is

charged either via an onboard charger or hybrid via a generator on the PTO. Electric motors run movements, spraying and low-speed maneuvering around the aircraft with diesel engine off.

Without the diesel engine, small particle pollution is all but eliminated and noise levels are reduced. The unit can drive local distances e.g. between gates using the electric motor and maneuver on the remote pads. The battery pack is a 40 or 60 kWh lithium-ion battery with a battery-management system and an onboard charger.

A full charge will take up to 8-9 hours if using only a single-phase power supply and the onboard charger. When driving the chassis engine, the PTO-generator will charge the battery with up to 20 kW.

If pre-heated fluid is available, there will be no diesel use, however, if you do need to heat the fluid onboard, the e-BETA is equipped with the most efficient heater on the market.

#### COMPANY

## VESTERGAARD

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