

Safeaero 223XXL

The future of de-icing



SAFEAERO
i Trelleborg AB

SAFEAERO 223XXL

The most universal one-person operated de-icer

The SAFEAERO 223XXL with its extensive operational radius (nozzle reach horizontal 14 m, vertical 23 m and operator's eye height 17 m) in combination with its very compact size, make it the ideal de-icer to perform de-icing operations on aircrafts ranging from turboprops up to the Airbus A380.

The uniqueness of the 223XXL is in the design. It was designed specifically for one person operation which results in faster de-icing, eliminates communication problems between operator and driver and has significantly lower operating costs than the conventional truck-mounted two-person de-icer.

Another unique feature of the 223XXL is its large tank capacity, which means longer pad time and less down time spent on refueling. With the 223XXL, you can do much more with less.

The compact and low profile design along with a completely enclosed cabin and large windows, provides excellent visibility. The car-like driving and operating system provides an easy, safe and efficient de-icing environment under all conditions. Under-wing de-icing can also be easily performed from the operator's cabin. A "stepless" proportional mixing system (mix@nozzle and hot@nozzle) allows the operator to choose the exact mixture of ADF and water depending on the weather conditions. This means the glycol consumption can be reduced to a minimum, which saves costs and protects the environment.

For maintenance and service, a full diagnostic and faultfinding system is integrated into the onboard computer which can be accessed through a wireless connection direct from the Safeaero factory.

The SAFEAERO 223XXL is CE certified and follows IATA recommendations for de-icers and European safety standards for ground support equipment.



Safeaero 220 series

223XXL

220EH

220



Striking Advantages

- One person operated
- Car-like driving
- Outstanding comfort for operator
- Under-wing de-icing from cabin
- Revolutionary nozzle control system
- Nozzle height 23m
- Operator's eye height 17m
- Tank capacity up to 14000 litres
- Stepless mixing system 4-75%
- Mix@Nozzle
- Hot@Nozzle
- Instant heat with 870kW heater
- State-of-the-art computer technology
- Wireless diagnostic capability
- Web based data transfer and coordinating system
- Operational range from Turboprops up to A380



Technical data Safeaero 223XXL

Dimensions

Width	2,85 m
Length (including towing hitch)	9.85 m
Height	3.7 m
Total weight without fluid	23500 kg
Tank capacity (1, 2 or 3-tank version)	up to 14000 l
Wheel base	4,8 m
Turning radius (measured from centre tread of front wheels)	7,8 m
Inside cabin height	1,7 m
Eye height of operator	17 m
Maximum height of nozzle above ground	23 m
Maximum nozzle swing reach right/left	14 m
Maximum cabin rotation	± 90°
Nozzle telescope arm length from centre of cabin	4 – 8,3 m
Nozzle turning up/down	+70°-120°
Nozzle turning lateral	±70°
Ground clearance	250 mm

Speed

Driving speed	approx. 30 km/h
Driving speed with raised or extended boom	max. 6 km/h

Pumping Capacity

De-icing flow rate	40-220 l/min
Anti-icing flow rate	20-100 l/min

Heating system

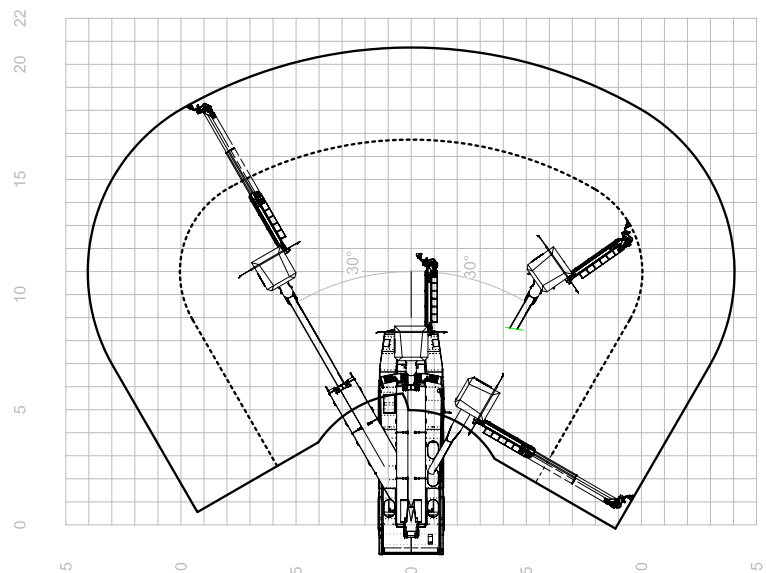
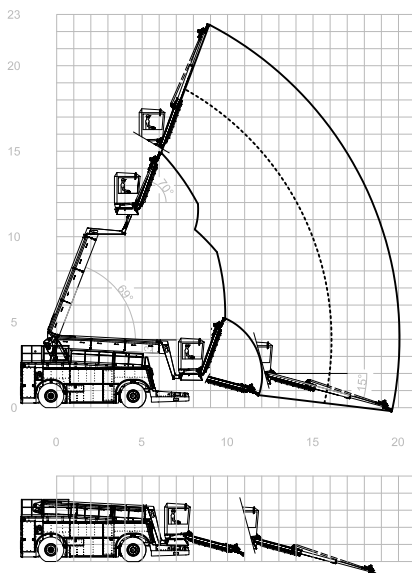
Diesel heater	870 kW
Electrical heater	13.5 to 27 kW

Wind stability

Maximum velocity	20,6 m/sec
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Cabin

Maximum load capacity	205 kg
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All technical data are subject to change without notice



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