



AMAZONE

Winter salt spreader ***IceTiger***



IceTiger winter salt spreader

The ideal partner for the winter



2021: Silver medal for the IceTiger
winter salt spreader



Precision to perfection

AMAZONE now offers the IceTiger, an innovative new mounted spreader for the application of salt and brine with the highest precision. Innovative technology, combined with comfortable operation and durable materials, make the IceTiger a strong and reliable option for winter road gritting.

A unique feature of the IceTiger winter salt spreader is the hydraulically-driven floor belt that feeds the material to be spread. This prevents bridging and ensures a continuous flow of material without blockages. Even extremely small quantities down to 5 g/m² can be precisely applied with the IceTiger. Uniform application of both free-flowing refined salt and rock salt is possible, as is the application of slip-preventing materials such as grit or sand. A pre-wetting salt system for brine can also be integrated into the IceTiger from hopper capacities of 1,300 l.

With working widths from 1 m to 8 m, the IceTiger can therefore be perfectly tailored to meet the demands of the area needing to be treated.

» Efficient, economical, environmentally-friendly!

MORE INFORMATION

www.amazone.net/icetiger



PRODUCT FILM
Find out more



The models

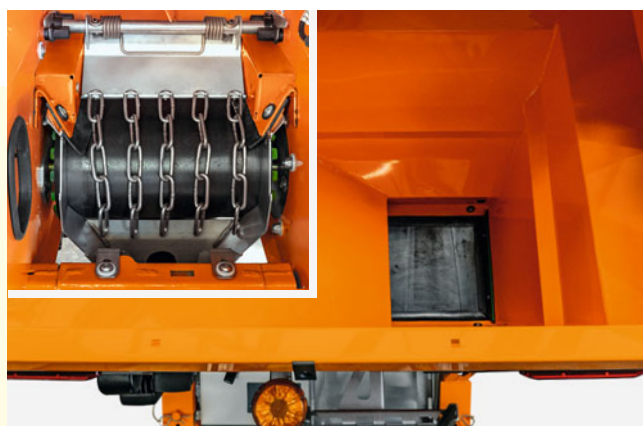
Safely through ice and snow with the IceTiger S or the IceTiger

The IceTiger winter salt spreader is available in two sizes. The IceTiger S is equipped with a 380-litre hopper which can be modularly increased up to a maximum capacity of 920 l by the use of hopper extensions. The IceTiger is its “big brother”. This has a 1,000-litre hopper which can also be increased up to a maximum capacity of 1,900 l by means of hopper extensions. The working width can be set very precisely from 1 m to 8 m, both symmetrically and asymmetrically, via the EasySet 2 in-cab control box, the AmaTron 4 ISOBUS terminal or any other ISOBUS-compatible terminal. Ideal for narrow footpaths, wide roads or major junctions.

Adjustable floor belt speed – for precise application, even with extremely small quantities

Bridging is safely avoided thanks to the hydraulically-driven floor belt with its large surface contact area for the salt.

- ✓ A hydraulic motor allows the speed of the floor belt to be precisely adjusted to run fast or slow, so that even extremely small quantities down to 5 g/m² can be applied.
- ✓ A spring-loaded shutter with a chain curtain lets smaller foreign objects pass through.



IceTiger S – Precision down to the last detail

- ✓ Hopper capacity 380 l (can be extended to max. 920 l with hopper extensions of 180 l and 360 l)
- ✓ W 1 and W 2 precision spreading discs with working widths from 1 m to 8 m
- ✓ Hydraulically-driven floor belt
- ✓ Manual delivery point adjustment
- ✓ Comfortable and precise operation with the modern EasySet 2 in-cab terminal

Precision spreading disc – precise and gentle application

Both free-flowing refined salts with a low moisture content and heavy rock salt with a high moisture content can be applied without blockages. Salt and FS30 pre-wetted salt can be applied from 5 g/m² to 80 g/m² and grit up to a maximum of 300 g/m².

- ✓ W 1 precision spreading disc: Working width 1 m to 6 m
- ✓ W 2 precision spreading disc: Working width 2 m to 8 m





IceTiger – precision with high efficiency

- ✔ Hopper capacity of 1,000 l (can be extended to 1,900 l max. with hopper extensions of 300 l and 600 l)
- ✔ W2 precision spreading discs for working widths from 2 m to 8 m
- ✔ Hydraulically-driven floor belt
- ✔ Manual or electric delivery point adjustment
- ✔ Comfortable and precise operation with the modern EasySet 2 in-cab terminal or the AmaTron 4 user-friendly ISOBUS terminal

» Exclusive for the IceTiger from a hopper capacity of 1,000 l

Electric delivery point adjustment via an ISOBUS terminal

For the ISOBUS-controlled IceTiger, the spread fan is shifted to the right and left by an electric actuator whilst the vehicle is travelling along the road. From the seat, the operator simply enters how far the spread width needs to be to the left and right in the ISOBUS terminal. The electric delivery point adjustment then sets the delivery point of the material to be spread precisely and fully automatically. A hydraulic motor regulates the spreading disc speed at the same time. This automatically produces the desired symmetrical or asymmetrical spread pattern. It couldn't be easier or more convenient.

Smart Precision System – more precise, more economical, more environmentally-friendly

The innovative Smart Precision System with

- ✔ hydraulically-driven floor belt,
- ✔ precision spreading disc and
- ✔ electric delivery point adjustment via ISOBUS enables even more comfortable and simpler operation of the IceTiger from hopper capacities of 1,000 l.

Perfect equipment for IceTiger S and IceTiger

Hopper with a favourable centre of gravity

Maximum efficiency thanks to the large hopper and 3-point linkage mounting with a favourable centre of gravity. The optimised hopper profile prevents material residues from sticking to the steep hopper walls.

Useful camera system

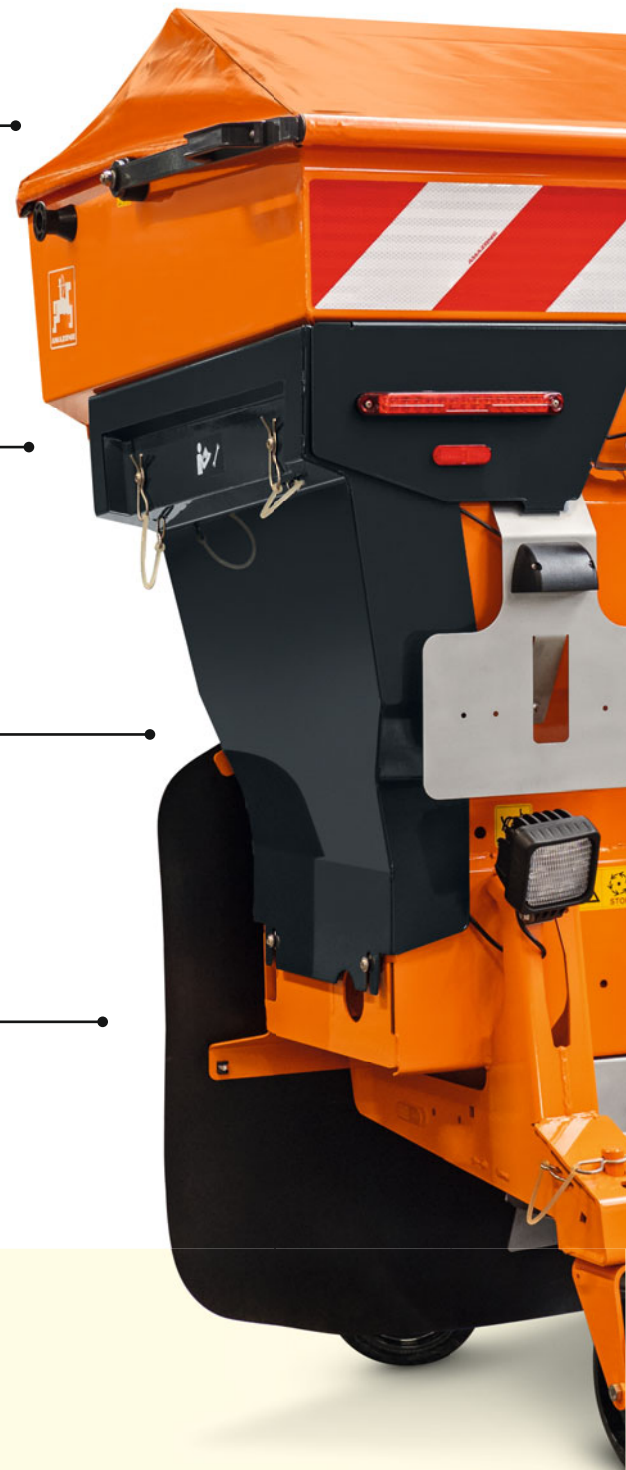
Option of connecting a reversing camera with a view of the spread fan as well as an internal hopper camera for monitoring the fill level.

Easy maintenance and cleaning

The open design and the removable covers simplify the maintenance and washing down the IceTiger.

Important dust protection

Prevents any build-up of corrosive salt dust on the rear of the tractor.



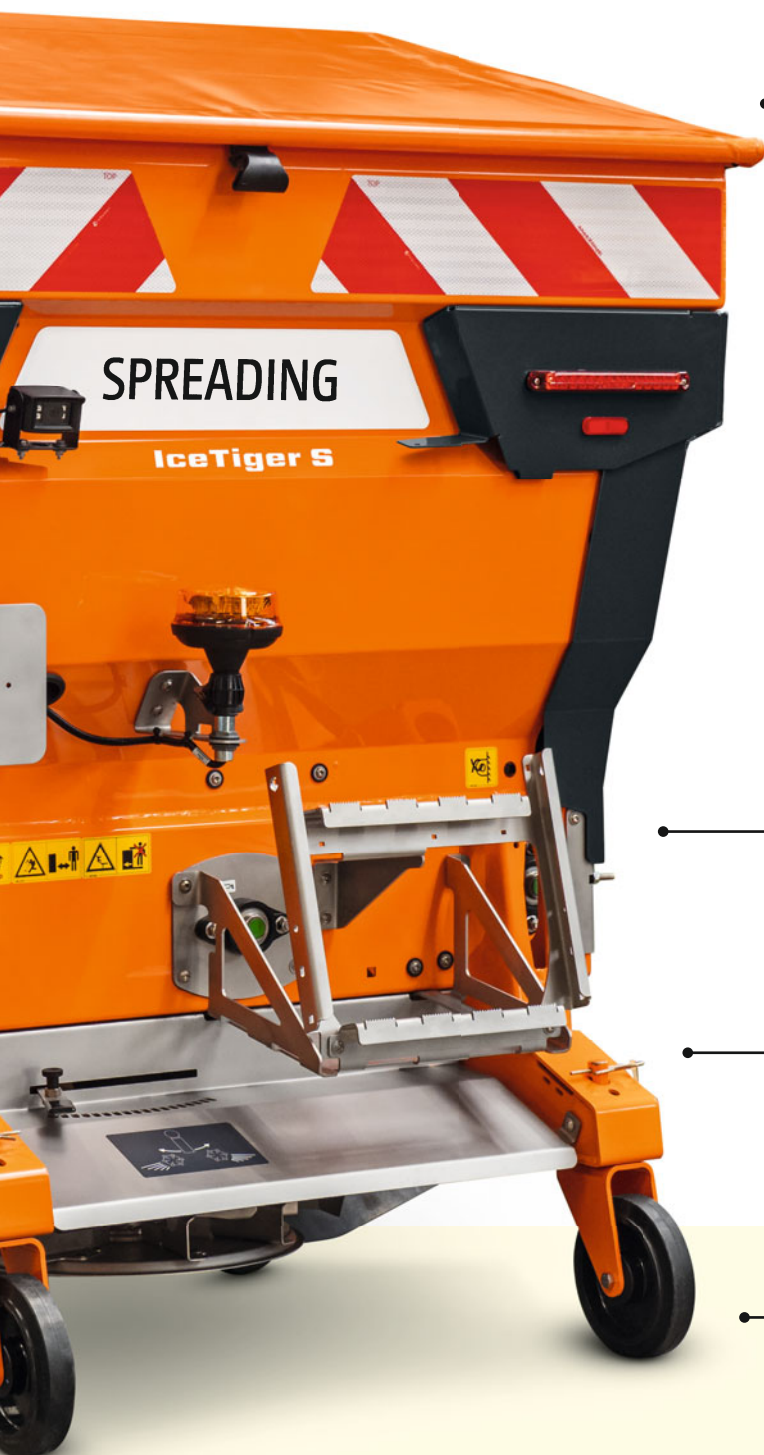
IceTiger S

- ✓ Hopper capacity 380 l – 920 l
- ✓ Working width 1 m – 8 m

IceTiger

- ✓ Hopper capacity 1,000 l – 1,900 l
- ✓ Working width 2 m – 8 m

Efficient, economical, environmentally-friendly



Convenient swivel hopper cover

Protects the material to be spread from dirt and water and provides a direct view into the hopper interior through an integrated inspection window.

Perfect lighting

Road traffic lighting, flashing beacons, internal hopper lighting and work lights with LED bulbs which are less sensitive to salt water compared to conventional lights.

Switchable LED work lights: red helps to distinguish falling snow from flying salt. White provides a wide view of the spread fan in slippery conditions.

Practical access step

For the simple checking of all the functions as well as monitoring the hopper contents.

High-quality materials

The conveyor unit, spreading plate and chute are made of corrosion-free plastic or stainless steel.

Convenient parking device

Four wheels make it easy to manoeuvre the IceTiger as well as facilitating its coupling and uncoupling.

Precise application of pre-wetted salt and the even distribution of gritting material

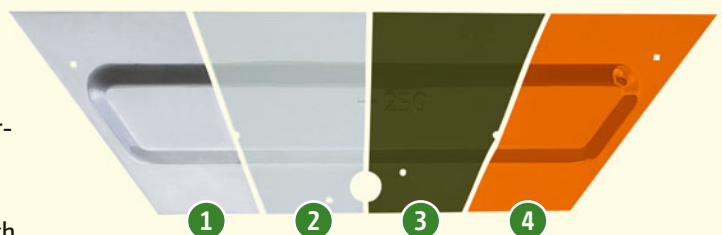


IceTiger winter salt spreader with integrated pre-wetted salt system

Superior multi-layer paint finish

The best from all angles:

- ① 14-step **paint preparation**, e.g. degreasing
- ② **Zinc phosphating** prevents rust infiltration
- ③ **Thick-layered cathodic dip priming** for full-surface corrosion protection even in those cavities and hard-to-reach areas
- ④ **Powder coating** for a high-quality appearance and high paint strength for reliable protection from everyday wear and tear



Smart Precision System with integrated pre-wetted salt system

An option for IceTigers with hopper capacities from 1,300: the pre-wetted salt system for FS30 dampened salt with a brine content of 30% includes a hydraulic brine pump which provides a precisely adjustable supply of brine from the two plastic tanks, each with a capacity of 250 l.

- ✓ The tanks are integrated in the overall concept, so that the spreader remains close to the tractor with a favourable centre of gravity.
- ✓ Solid salt and brine are mixed together in free fall between the hopper and spreading plate.
- ✓ The mixing results in a reduction in the overall salt content by approx. 23% compared to dry salt.



Pre-wetted salt system with a total tank capacity of 500 l for the application of FS30 pre-wetted salt

Even distribution of chippings

Another area of application of the IceTiger spreader is the distribution of stone chippings outside the winter months. The IceTiger is therefore versatile in use.



Smarter operating comfort for maximum precision

The EasySet 2 in-cab terminal – easy to operate

EasySet 2 is the ideal in-cab controller for those looking for convenient and simple operation.

Benefits of EasySet 2:

- ✓ Intuitive operation for multiple drivers
- ✓ Forward-speed dependent application rate regulation
- ✓ Pre-metering can be provided via the traffic light function before the tractor starts moving
- ✓ With manual delivery point adjustment: The delivery point is adjusted directly on the spreader; the required spread rate and the desired working width are set via the EasySet 2

AmaTron 4 ISOBUS terminal – for maximum comfort

The AmaTron 4 ISOBUS terminal, which was developed in-house by AMAZONE, means that comfortable working becomes a matter of course. The 8" low-reflection, multi-touch colour display allows easy reading and quick input of all the necessary information. Intuitive operation of the functions is guaranteed at all times either via the 12 keys or the touch display.

Benefits of AmaTron 4:

- ✓ Comfortable, user-friendly, tablet-style operation
- ✓ Practical and intuitive menu navigation
- ✓ Larger display area thanks to dynamic fade-out and fade-in of buttons via proximity sensor
- ✓ Forward-speed dependent application rate regulation
- ✓ Start-up ramp for immediate full application of the material
- ✓ Easy adjustment of the desired working width to either the left or right hand side from the tractor seat



- ✓ Display of the working width (m), rate (g/m²), forward speed (km/h).
- ✓ +100% function for doubling the spread rate on critical areas, e.g. bridges and junctions
- ✓ Calibration button for calibrating the working width, speed and application rate for road salt and brine
- ✓ Control of the work lights and flashing beacon



- ✓ Freely configurable, multi-function display with all the relevant information, such as the current application rate, remaining distance, forward speed, etc.
- ✓ With electric delivery point adjustment: fully automatic and precise adjustment of both the delivery point of the material to be spread as well as the spreading disc speed enables, symmetrical or asymmetrical spread patterns to be produced
- ✓ Different properties can be calibrated for each material

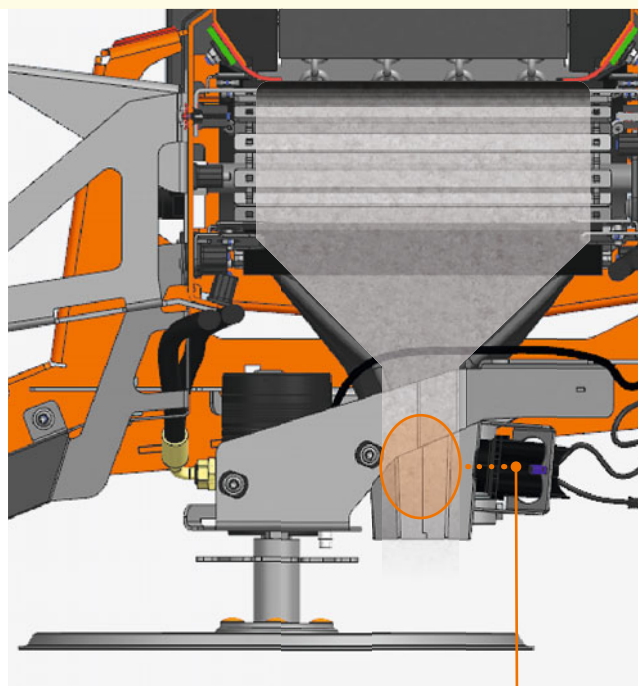
» Exclusive

for the ISOBUS-controlled IceTiger from hopper capacities of 1,000 l

System FlowCheck – radar-based sensor system

The FlowCheck radar sensor enables the early detection of blockages. A message on the ISOBUS terminal immediately informs the user if blockages have occurred e.g. due to the use of viscous, pre-wetted salt.

In contrast to conventionally used sensors, the radar sensor is considerably less susceptible to dirt accumulation and therefore has to be cleaned less frequently by the user to guarantee its full functionality. As a result, the reliability of such a system is significantly improved, thereby preventing work interruptions.



FlowCheck radar sensor



AmaPilot+ – everything in one hand!

Thanks to the AUX-N feature, you can operate multiple functions of the machine via AmaPilot+ or any other ISOBUS multi-function joysticks.

The benefits of AmaPilot+:

- ✓ Nearly every function is controlled directly via the 3 levels
- ✓ Adjustable palm rest
- ✓ Freely-programmable, individual key layout



Extremely comfortable operation via the AmaPilot+ multi-function joystick



Technical data

IceTiger winter salt spreader

Model		IceTiger S	IceTiger
Working width (m)	– with W 1 spreading disc	1–6	–
	– with W 2 spreading disc	2–8	2–8
Hopper capacity (l)		380	1,000
– with bolt-on extension S 180 (l)		560	–
– with bolt-on extension S 300 (l)		–	1,300
– with bolt-on extension S 360 (l)		740	–
– with bolt-on extension S 600 (l)		–	1,600
– with hopper extension S 180 (l) + S 360 (l)		920	–
– with hopper extension S 300 (l) + S 600 (l)		–	1,900
Pre-wetted salt system (l)		–	500
Fill height (m)	– without hopper extension	1.36	1.50
	– with hopper extension	1.51–1.81	1.65–1.95
Filling width (m)		1.34	2.10
Overall length (m)		1.10	1.30
Overall width (m)		1.45	2.40
Overall height (m)		1.96	2.10
Payload (kg)		1,750	3,200



Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.



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