Hilltip

SPREADERS & DE-ICING SPRAYERS

HIGH-QUALITY ROAD MAINTENANCE EQUIPMENT

MADE IN FINLAND

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ICESTRIKER™ SPREADERS

“You can reduce salt usage up to 30% with the optional liquid pre-wet system and by 75% when using salt brine solution as a de-icing method! These are direct savings for you and the environment.”

ICESTRIKER™ 1600-7000 LITER COMBI SPREADER

www.hilltip.com

12/24V ELECTRIC POLY HOPPER SPREADER, 1600-7000 LITER

The Hilltip IceStriker™ 1600-2600 A & 1600-7000 AM/CM is an electric poly hopper spreader designed with a material capacity of 1600-7000 liter, to make your job even more effective and profitable. The AM/CM-series spreaders have a modular hopper design. The lightweight poly hopper and mounted parts in stainless steel provides you long lasting protection against corrosion.

OPTIONAL LIQUID FUNCTIONS

The truck salt spreader can easily be transformed into a complete liquid de-icing spreader or into a pre-wet combi salt spreader. Integrated tanks in the double walled hopper body holds up to 1400 l of liquid. The spreader can optionally be equipped with a 2 meter spray bar and a hose reel with hand-held spray nozzle. The modular IceStriker™ 2600-7000 liter spreaders can also be equipped with additional liquid tanks (1000 l/tank).

Auger drive

Chain drive

"THE INDUSTRY GAME CHANGER"

STANDARD FEATURES

- **HTrack™ tracking system** (see page 29)
- Controller with automatic **GPS speed control** adjusts the amount of spreading material (g/m^2) according to your vehicle speed (see page 28).
- 12 or 24 volt dual motors mounted inside a sealed weather-resistant enclosure.
- Automatic vibrator prevents material from clogging.
- **Feed mechanism:** Stainless steel auger with **variable pitch** or chain conveyor.
- Inverted-V helps reduce heavy start-up loads on the feed mechanism.
- Two-piece tarp mechanism, prevents spillage off into truck bed when filling the spreader.
- Includes an accessory wire for optional work light and beacon light that can be activated from the standard controller.

ICESTRIKER™ 1600-7000 LITER COMBI SPREADER

4000 AM modular spreader

2 m wide spray bar (optional)

IceStriker™ 2100 in the optional color orange

IceStriker™ 4000 Combi Plus with two additional liquid tanks

OPTIONAL FEATURES

- LED work light
- Strobe lights
- Illuminated license plate kit
- Rear and indicator lights
- 24V motors and control system
- Optional color: orange
- Leg stand
- Adjustable spreading symmetry from inside the cab.
- Extended chute for truck bed height over 120 cm.
- Extended auger/conveyor (+ 60 cm) for optimization of vehicle axle loading.
- End of material alarm sensor on spinner.

OPTIONAL LIQUID FUNCTIONS

- Pre-wet salt liquid kit, nozzles and pump with built-in tanks in spreader construction.
- Bladder tank for storing additional liquid inside hopper.
- 2 m wide spray bar, with up to 5 m spraying width.
- 12 m hose reel for spraying hard-to-reach areas with salt solutions or other liquids.
- **COMBI PLUS liquid option** - Additional liquid tanks, 1000 l/tank, in addition to the liquid tanks integrated in the spreader hopper. The combi plus option include 1-3 tanks and leg stand frame extension.

SPREAD

PRE-WET

DUAL SPRAYBAR

GPS SPEED & HTRACK™

ALL IN ONE SPREADER

ICESTRIKER™ 550, 750, 850 & 1100 COMBI SPREADER

POLY ELECTRIC COMBI SPREADER FOR PICKUPS AND LIGHT TRUCKS

www.hilltip.com

Our IceStriker poly electric spreader is built to meet the requirements of the European light-pickup and -truck segment. Lightweight hopper body made of polyethylene, and mounted parts in stainless steel, provides you long lasting protection against corrosion and rust. This unique spreader includes integrated tanks for the optional liquid systems.

OPTIONAL LIQUID FUNCTIONS

The hopper construction can easily be transformed into a complete brine solution sprayer or into a pre-wet combi spreader that moistens the spreading material. Integrated tanks in the double-walled hopper body hold up to 450 l of liquid. The spreader can optionally be equipped with a 2 meter spray bar or a hose reel with hand-held spray nozzle.

STANDARD FEATURES

- **HTrack™ tracking system** (see page 29)
- Controller with automatic **GPS speed control** adjusts the amount of spreading material (g/m^2) according to your vehicle speed (see page 28).
- A 12-volt motor is mounted inside a sealed weather-resistant enclosure.
- Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee.
- Inverted-Vee helps reduce heavy start-up loads on the auger. All in stainless steel.
- Stainless steel flip-up chute
- Two-piece tarp mechanism and top screen
- Hopper body includes molded alternate license plate area.
- Includes an accessory wire for optional work light and beacon light that can be activated from the standard controller.

ICESTRIKER™ 550, 750, 850 & 1100 COMBI SPREADER

Stainless steel flip-up chute, designed for spreading salt with high humidity

Two-piece tarp mechanism and top screen

Optional spray bar and hose reel

OPTIONAL FEATURES

- License plate kit and rear light
- Optional colors: red and orange
- Beacon warning-light
- LED-work light
- Leg stand
- Fixation kit to avoid sliding.
- Medium chute (+15 cm) for truck bed height over 90 cm.
- Long chute (+25 cm) for truck bed height over 110 cm.
- End of material alarm sensor on spinner.

OPTIONAL LIQUID FUNCTIONS

- Pre-wet Salt liquid kit complete with nozzles and pump for use with tanks built into the spreader.
- Bladder tank for storing additional liquid inside hopper.
- 2 m spray bar with 2-5 m spraying width
- 12 m manual hose reel

SPREAD

PRE-WET

SPRAY BAR

GPS SPEED & HTRACK™

ALL IN ONE SPREADER

ICESTRIKER™ 900-1150 AM, 1250 AML COMBI SPREADER

12/24 V ELECTRIC COMBI SPREADER FOR LIGHT TRUCKS

www.hilltip.com

Hilltip IceStriker 900-1150AM & 1250AML is a electric poly hopper combi spreader for light trucks. Lightweight hopper body made of polyethylene, and mounted parts in stainless steel, provides you long lasting protection against corrosion and rust. This spreader is unique as it has a modular hopper body with built-in tank for the optional pre-wetting system, and it requires no extra tanks.

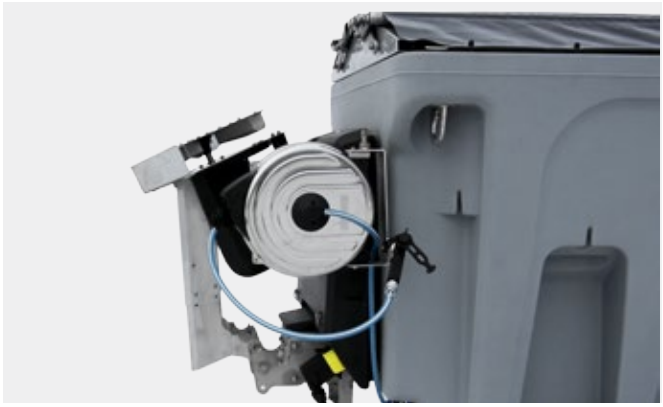
OPTIONAL LIQUID FUNCTIONS

The hopper construction can easily be transformed into a complete brine solution sprayer or into a pre-wet combi spreader that moistens the spreading material. Integrated tanks in the double-walled hopper body hold up to 530 l of liquid. The spreader can optionally be equipped with a 2 meter spray bar or a hose reel with hand-held spray nozzle.

STANDARD FEATURES

- **HTrack™ tracking system** (see page 29)
- Controller with **automatic GPS speed control** adjusts the amount of spreading material (g/m^2) according to your vehicle speed (see page 28).
- A 12 or 24 volt motor is mounted inside a sealed weather-resistant enclosure.
- Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee.
- Inverted-Vee helps reduce heavy start-up loads on the auger. All in stainless steel.
- Stainless steel flip-up chute
- Two-piece tarp mechanism and top screen
- Includes an accessory wire for optional work light and beacon light that can be activated from the standard controller.

ICESTRIKER™ 900-1150 AM, 1250 AML COMBI SPREADER



Stainless steel flip-up chute

LED rear lights and strobe lights (optional)

LED work light (optional)

OPTIONAL FEATURES

- + Rear lights & License plate kit
- + Optional color: orange
- + Strobe lights
- + LED-work light
- + 24V motors and control system
- + Leg stand
- + Extended Auger (+ 40 cm) for models 900-1150 AM.
- + Long chute (+ 25 cm) for truck bed height over 110 cm.
- + Adjustable spreading symmetry from inside the cab..
- + End of material alarm sensor on spinner.

OPTIONAL LIQUID FUNCTIONS

- + Pre-wet Salt liquid kit complete with nozzles and pump for use with tanks built into the spreader.
- + Bladder tank for storing additional liquid inside hopper.
- + 2 m spray bar with 2-5 m spraying width.
- + 12 m hose reel for spraying hard-to-reach areas with salt solutions or other liquids.

SPREAD

PRE-WET

DUAL SPRAY BAR

GPS SPEED & HTRACK™

ALL IN ONE SPREADER

ICESTRIKER™ 600 TR-1000 TR SPREADER

The double-walled hopper construction has got integrated tanks with a capacity of 330 l to transform your spreader into a liquid sprayer with pre-wet and spray bar options.

600TR-1000TR COMBI SPREADER FOR TRACTORS AND LOADERS

www.hilltip.com

The Hilltip IceStriker™ TR-model is a 630-1050 liter salt and sand spreader with polymer hopper and mounted parts in stainless steel that gives you effective protection against rust and corrosion. This unique all-in-one spreader also includes integrated tanks for the optional liquid systems.

IceStriker ™ 600 TR-1000 TR

STANDARD FEATURES

- ✓ **HTrack™ tracking system** (see page 29)
- ✓ Controller with automatic **GPS speed control** adjusts the amount of spreading material (g/m^2) according to your vehicle speed (see page 28).
- ✓ 3-point hitch, Cat. I/II.
- ✓ 12-volt motor mounted inside a sealed weather-resistant enclosure.
- ✓ Automatic vibrator prevents material from clogging.
- ✓ Inverted-V helps reduce heavy start-up loads on the feed mechanism.
- ✓ Two-piece tarp mechanism and top screen
- ✓ Includes an accessory wire for optional work light and beacon light that can be activated from the standard controller.

ICESTRIKER™ 600 TR-1000 TR SPREADER

Led work light (red) and beacon light (orange)

Optional spray bar

Support leg

OPTIONAL FEATURES

- LED work light
- License plate kit and rear light
- Beacon warning-light
- Optional color: orange
- Different mounting solutions
- End of material alarm sensor on spinner

OPTIONAL LIQUID FUNCTIONS

- Pre-wet Salt liquid kit complete with nozzles and pump for use with tanks built into the spreader.
- Bladder tank for storing additional liquid inside hopper.
- 2 m wide spray bar with up to 5 m spraying width.
- 12 m hose reel for spraying hard-to-reach areas with salt solutions or other liquids.

ICESTRIKER™ 380 STAINLESS STEEL SPREADER

380 LITER STAINLESS STEEL SPREADER FOR PICKUPS AND UTVS ETC.

www.hilltip.com

De 380 liter strooier is gebouwd om te voldoen aan de eisen van het UTV en Europese light-pickup segment. Dankzij de handige grootte van de strooier past deze op de meeste soorten kleine machines, zoals bedrijfsvoertuigen, gereedschapsdragers en miniladers. Dit apparaat is perfect voor het strooien op parkeerplaatsen, binnenplaatsen, looppaden en voetpaden.

De hoogwaardige roestvrijstalen trechterbehuizing garandeert een langdurig corrosievrij gebruik. Het trechteroppervlak is gemakkelijk te reinigen en te onderhouden en zorgt voor een soepele materiaalstroom. De strooier is ontworpen voor het verspreiden van bulkzand en grind, bulk/zakzout, zand-zoutmengsels en meststoffen. Kan optioneel worden uitgerust met een pre-wet kit.

IceStriker™380 on UTV

IceStriker™ 380 Stainless Steel Spreader

Spreading width up to 8 meter

Flip-up chute

Tarp cover and top screen

IceStriker™ 380 with pre-wet salt liquid kit, nozzles, pump with built-in tanks in the spreader construction

Standard Features

- ✓ **HTrack™ tracking sytem** (see page 29)
- ✓ Controller with automatic **GPS speed control** adjusts the amount of spreading material (g/m^2) according to your vehicle speed (see page 28).
- ✓ A 12-volt motor is mounted inside a sealed weather-resistant enclosure and requires no pulleys, sprockets, belts or chains.
- ✓ Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee.
- ✓ The 65 mm stainless steel auger gives you an even flow of material to the spinner.
- ✓ Inverted-Vee helps reduce heavy start-up loads on the auger. All in stainless steel.
- ✓ Two-piece tarp mechanism prevents spillage off into truck bed when filling the spreader.
- ✓ Top screen prevents rocks and big material chunks from getting into the hopper.
- ✓ Flip-up stainless steel chute

Optional Features

- + License plate kit and rear light
- + Beacon warning-light
- + LED-work light
- + Pre-wet salt liquid kit; nozzles, pump, tank
- + Leg stand
- + End of material alarm sensor

ICESTRIKER™ 120-300 TAILGATE SPREADER

120-300 LITER 12V ELECTRIC SPREADER FOR PICKUPS, TRACTORS, LOADERS ETC.

www.hilltip.com

The Hilltip IceStriker™ 120-300 is a 12V electric salt and sand spreader designed for installation on pickup tailgates, vans, utility vehicles, tractors, loaders and forklifts. Polymer hopper and mounted parts in stainless steel make it the most cost-effective spreader on the market.

"THE WORLD'S FIRST SMARTPHONE CONTROLLED SPREADER WITH FLEXIBLE MOUNTING TO COMPACT TRACTOR, PICKUP OR MUNICIPAL VEHICLES!"

The spreader is operated wirelessly (Bluetooth) through the next generation control system: **HillTip StrikeSmart™ App (see page 28).** Android smart phone is included.

IceStriker™ 200 tailgate spreader

ICESTRIKER™ 120-300 TAILGATE SPREADER

Pickup Tailgate mount

Optional color: orange

LED rear lights, license plate kit and LED work light

Smartphone controller holder

STANDARD FEATURES

- ✓ **HTrack™ tracking system** (see page 29)
- ✓ Automatic **GPS speed control** adjusts the amount of spreading material (g/m²) according to your vehicle speed (see page 28).
- ✓ The spreader is operated wirelessly (Bluetooth) through the next generation control system: **Hilltip StrikeSmart™ App**. Android smartphone is included.
- ✓ Independent controlled dual motors for the auger and spinner.
- ✓ Strorage transport wheels
- ✓ Mounting solutions for a variety of vehicles and machines.

OPTIONAL FEATURES

- + Vibrator (for wet salt, gravel, salt and sand mix)
- + Optional color: orange
- + LED rear lights and license plate kit
- + LED work light
- + Salt Stop kit for dry/ fine salt
- + Smartphone controller holder

MOUNT TYPES

- + Tow hitch mount, bolted or J-type
- + EU tow/tailgate hitch
- + Swing away mount, bolted
- + 3-point hitch, Cat I/II
- + Wheel loader / Forklift 1" Pin hitch, adjustable. Height adjustment.
- + Various wheel loader, tool carrier and forklifts mounts

ICESTRIKER™ 220-500 DSB DROP SPREADER

ICESTRIKER™ DSB SELF-LOADING DROP SPREADER FOR TRACTORS & LOADERS

Hilltip IceStriker™ DSB is a 220-500 l self-loading drop spreader bucket designed for compact tractors and loaders. These hydraulic or 12V electric spreaders can be mounted on the front or back of vehicles and are perfect for parking lots, courtyards, walkways and pedestrian paths. The spreader is designed for spreading salt, sand and fine gravel.

Control options for IceStriker™ DSB spreaders include our StrikeSmart™ Smartphone App via a Bluetooth link with the spreader or hard wired StrikeSmart™ controller and include GPS speed control and our HTrack™ 2-way GPRS tracking/control system as standard features.

Icestriker™ 250 DSB

STANDARD FEATURES

- ✓ Hydraulic, conventional control
- ✓ Top screen prevents rocks and big material chunks from getting into the hopper.

OPTIONAL FEATURES

- + 12 V electric
- + Advanced control options:
  - **Bluetooth StrikeSmart™ SmartPhone Control** with automatic GPS speed control & HTrack™ 2-way GPRS tracking/control system.
  - **Hard wire StrikeSmart™ CAN-BUS Control** with automatic GPS speed control & HTrack™ 2-way GPRS tracking/control system.
- + Smartphone controller holder
- + Self-loading design
- + LED Rear light kit
- + Various quick hook attachments for front loaders

TOWABLE ICESTRIKER™ SPREADER

TOWABLE ICESTRIKER™ 380-2100 SPREADERS

The Hilltip IceStriker™ 380 stainless steel spreader, 550, 900, 1150, 1600 and 2100 combi spreaders are available as towable salt spreaders. The trailer spreader models extend the capability and flexibility of the spreaders as you get the flexibility to use any pickup, SUV or car to combat icy conditions.

The tow behind spreaders can all be supplemented with a pre-wet system as well as a spray bar for direct liquid de-icing treatment.

The Hilltip trailer chassis are hot galvanized and powder painted to ensure the best corrosion resistance on the market.

Towable Icestriker™ 550

Towable Icestriker™ 900

SPRAYSTRIKER™ DE-ICING SPRAYERS

“When using salt brine solution as de-icing method you save up to 75% on your salt used on each route and reduce the impact on the environment!”

SPRAYSTRIKER™ 3000-10000 HI-FLOW DE-ICING SPRAYER

SprayStriker™ 5000 l

3000-10000 LITER HI-FLOW DE-ICING SPRAYERS FOR TRUCKS

Our **NEW** **SprayStriker™ HFE-series** sprayers are the largest sprayers in the SprayStriker™ product family. These truck bed mounted de-icing sprayers have liquid tank capacities of 3000-10000 liter. Our fully 12V/24V electric-powered de-icing sprayers help contractors reduce salt usage while increasing their level of service. The sprayer is designed for maximum liquid tank capacity and for use on different lengths of truck beds and municipal trucks.

The durable and light poly tanks are supported by a powder coated stainless-steel frame construction. The dual Hi-Flow pumps, motors, valves and CPU-units are protected inside an easy-to-reach stainless steel cabinet.

SprayStriker™ HFE-series sprayers come standard with StrikeSmart™ controllers with GPS speed control and HTrack™ 2-way GPRS tracking and control system.

STANDARD FEATURES

- **HTrack™ 2-way GPRS tracking & control system** (see page 29)
- The **StrikeSmart™ controller** lets you operate the sprayer and its functions from inside the cabin (see page 28)
- 12V dual Hi-Flow pumps with spray bar output of 55 l/min
- 2-lane, 230 cm wide spray bar with double spray and side nozzles
- Self-loading and pump out feature with 2" camlock connection
- IP 67 rated Beacon warning light & LED work light

SPRAYSTRIKER™ 3000-10000 HI-FLOW DE-ICING SPRAYER

OPTIONAL FEATURES

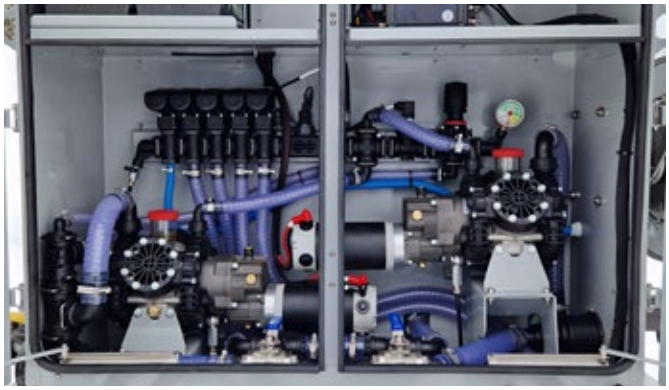
- 20 m stainless steel hose reel for de-icing hard to reach areas.
- 3-lane, 250 cm wide spray bar with double spray and side nozzles
- 24V motors and battery power kit (2 x 115Ah)
- Storage leg stand
- Self loading leg stand for dump bodies

20 m hose reel (optional)

Beacon warning light

2-lane, 230 cm wide spray bar with double spray, side nozzles and LED work light (white)

24V Battery (2 x 115Ah) power kit (optional)



Self-priming hi-pressure & flow Diaphragm pumps, motors and valves in closed cabinet

SPRAYSTRIKER™ 500-2000 SPRAYER

500-2000 LITER DE-ICING SPRAYER FOR PICKUPS AND LIGHT TRUCKS

www.hilltip.com

The truck bed mounted sprayer is available in different sizes to match a versatile field of use, and to fit a wide range of vehicles. The SprayStriker™ can be used in different ways when fighting the ice and snow, and it can also be used in the summer for agricultural purpose.

The sprayer is designed for maximum liquid tank capacity and for use on European market machines and vehicles. The durable and light poly tanks are supported by a powder coated stainless-steel frame construction. The pump and CPU-unit is protected inside an easy-to-reach stainless-steel housing.

SprayStriker™ 500 I

STANDARD FEATURES

- **HTrack™ tracking system** (see page 29)
- **GPS speed control** adjusts the liquid flow (ml/m²) according to your vehicle speed (see page 28).
- 12 V Twin pumps.
- 20ml/m² at max speed 25km/h.
- 2" camlock inlet for filling sprayer.
- Nozzles with triple stream spray-pattern.
- Controller lets you operate the sprayer and its functions from inside the cab.
- 2 m spray bar with double spray nozzles (7 + 7).
- Nozzles on the end of the boom, for extended spray width.
- Additional tank for rinsing/cleaning the spray system with anti-freeze liquid after each use.

SPRAYSTRIKER™ 500-2000 SPRAYER

Optional leg stand and sliding-tracks on truck bed for easy installation and removal of sprayer.

Double spray nozzles for de-icing even at higher speeds.

OPTIONAL FEATURES

- 12 m hose reel for spraying sidewalks and other hard-to-reach areas.
- Beacon warning-light
- LED work light
- Adjustable leg stands
- Electric solenoids on end nozzles

Optional manual hose reel, 12 m.

SprayStriker™ 500 on Kubota utility vehicle

TOWABLE SPRAYSTRIKER™ 500-2000

SprayStriker™ 2000

TOWABLE 500-2000 LITER DE-ICING SPRAYER

The Hilltip SprayStriker™ 500-2000 sprayers are available as towable de-icing sprayers. The trailer models extend the capability and flexibility of the sprayers, as you get the flexibility to use any pickup, SUV or car to combat icy conditions.

The 12V SprayStriker™ sprayer series is adaptable to the single axle trailer (500L) and dual axle trailer (1000-2000L models).

The liquid de-icing trailer is the most efficient electric liquid sprayer on the market with the capability of spreading 20 ml / m^2 with the speed of 25 km / h and spreading width 2 m. The maximum spreading width is 5 m, by the optional spraybar end nozzles.

SprayStriker™ 2000

SPRAYSTRIKER™ 250 TR & 350 UTV - SERIES SPRAYER

250-350 LITER DE-ICING SPRAYER

The 250 TR and 350 UTV Series de-icing sprayer is with a high performing 12V pump specially designed for de-icing liquids. The sprayer is designed to compact tractors / loaders and UTVs for use on pathways and other narrow areas. It can also be installed on tailgates and in receiver hitches with a wider spray bar. The tank is polyethylene and the body is made of zinc based mild steel with a powder coated finish.

The Hilltip SprayStriker™ sprayer unit is delivered and controlled with StrikeSmart™ Smartphone App (Phone included). The SprayStriker™ can be equipped with 12m hose reel, 3 different widths of spray bars, as well as individually in-cabin controlled side-nozzles for increased spray width.

The sprayer unit can also be equipped with disinfection nozzles on both handheld and spray bar nozzles to fight germs, bacteria and viruses.

SprayStriker™ 250 TR

STANDARD FEATURES

- ✓ **HTrack™ tracking system** (see page 29)
- ✓ **GPS speed control** adjusts the liquid flow (ml/m²) according to your vehicle speed (see page 28).
- ✓ The spreader is controlled with **Hilltip StrikeSmart™ App**. Android smartphone is included.
- ✓ 12 V pump
- ✓ 0.8 m, 1.2 m or 2 m spray bar.
- ✓ Nozzles on the end of the boom for extended spray width.

OPTIONAL FEATURES

- + 12 m hose reel for spraying sidewalks and other hard-to-reach areas.
- + Rear lights & license plate kit
- + LED Work light
- + Beacon warning-light
- + Directional in cabin control of side nozzles (both sides)
- + Smartphone controller holder

MOUNT TYPES

- + EU tow/tailgate hitch
- + Swing away mount, bolted
- + 3-point hitch, Cat I/II
- + Wheel loader/Forklift 1" Pin hitch, adjustable. Height adjustment.
- + Various wheel loader, tool carrier and forklifts mounts.

Hilltip StrikeSmart™ smartphone app.

BRINEMIXX™ BRINE SOLUTION BLENDER

BRINEMIXX™ 500-3000 FOR ICESTRIKER™ AND SPRAYSTRIKER™ LIQUID SYSTEM!

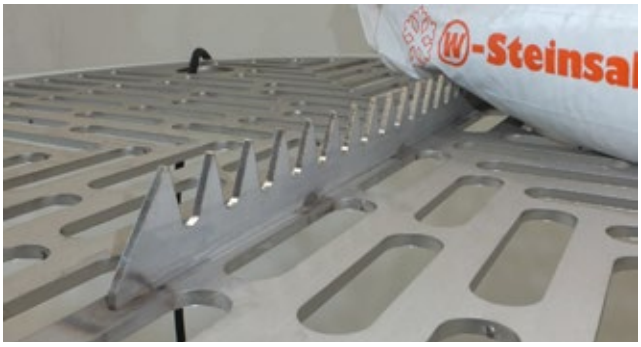
This external brine blender makes it easier to get the perfect water/salt-mixture for your purpose. The blender includes a pump that transfers the prepared liquid into the tank of your brine spraying device with a speed of 390 l/min.

The blending tank and lid are made of durable polyethylene which gives you a rust and corrosion free lightweight product.

The BrineMixx™ is available in three different sizes, 500 l, 1400 l and 3000 l.

STANDARD FEATURES

- ✓ Sharp edge to cut bags
- ✓ Liquid level indicator
- ✓ Heavy duty filter and 3-way valve



Sharp edge to cut bags

Heavy duty filter and 3-way valve

BRINEMIXX™ BRINE SOLUTION BLENDER

MATERIAL SOLUTIONS

NaCl (Sodium Chloride):

Solid rock salt made into brine is the basis of most de-icing materials.
-21° C at 23.3 %

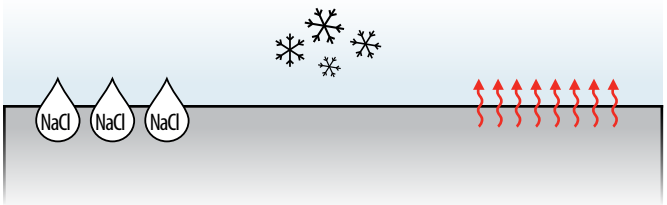
CaCl (Calcium Chloride):

Natural liquid brine, most versatile deicer and commonly used to pre-wet.
-31,5° C at 29.8 %

"WHEN USING A LIQUID SYSTEM YOU SAVE MONEY AND REDUCE THE IMPACT ON THE ENVIRONMENT, WHILE ACHIEVING THE SAME DE-ICING RESULTS AS BEFORE."

ANTI-ICING

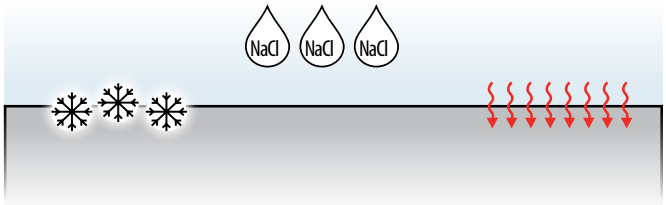
By applying a liquid solution before the snow or rain falls, it will stay in the pores and cracks of the road and restrict the bonding of ice to the road surface. This allows snow and ice to be easily removed during plowing.



1. Apply de-icing liquid to the road
2. Snow or rain falls
3. The liquid will restrict bonding

DE-ICING

When a liquid solution is applied to an already icy/ snowy road it will immediately start breaking up the ice from the top down. By mixing the right solution for your current winter temperatures, you wont be wasting salt or money.



1. Already ice-covered road
2. Apply de-icing liquid to the road
3. The liquid will start melting the ice

De-icing solutions other than NaCl (Sodium chloride) can also be used, please see local recommendations.

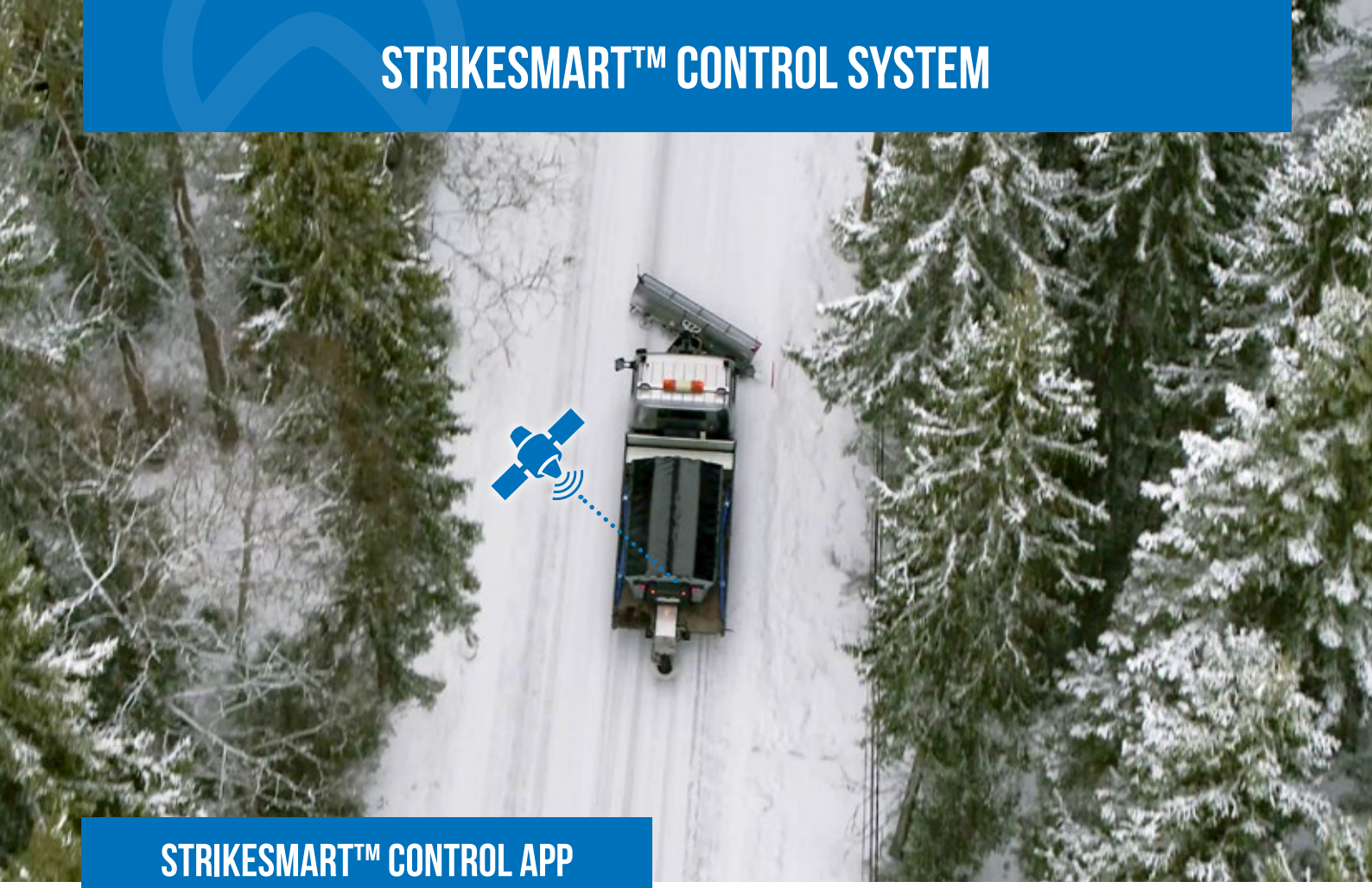
TYPE	SALT BRINE NACL	PRE-WETTED NACL	DRY SALT NACL	SAND
Spread volume	20-50 ml/m²	10-25 g/m²	20-40 g/m²	150-250 g/m²
Average Spread volume	35 ml/m²	17 g/m²	30 g/m²	180 g/m²
Spreading length/width	1000 m/2 m	1000 m/2 m	1000 m/2 m	1000 m/2 m
Spreading area	2000 m²	2000 m²	2000 m²	2000 m²
Spreading volume per km	70 l Brine = 15,4 kg	34 kg	60 kg	360 kg

These material weights are only guidelines. We do not take any responsibility in any direct or indirect damages or warranty cases concerning the values above.

STRIKESMART™ CONTROL SYSTEM & HTRACK™

“Hilltip’s spreaders and sprayers keep track of your expenses and provide evidence for slip and fall injury claims with HTrack™ as a standard feature!”

STRIKESMART™ CONTROL SYSTEM



STRIKESMART™ CONTROL APP & CONTROLLER

STRIKESMART™ CONTROL APP

The StrikeSmart™ control app is a standard feature for the IceStriker™ 120-300 tailgate spreader and SprayStriker™ 250TR & 350UTV Sprayer.

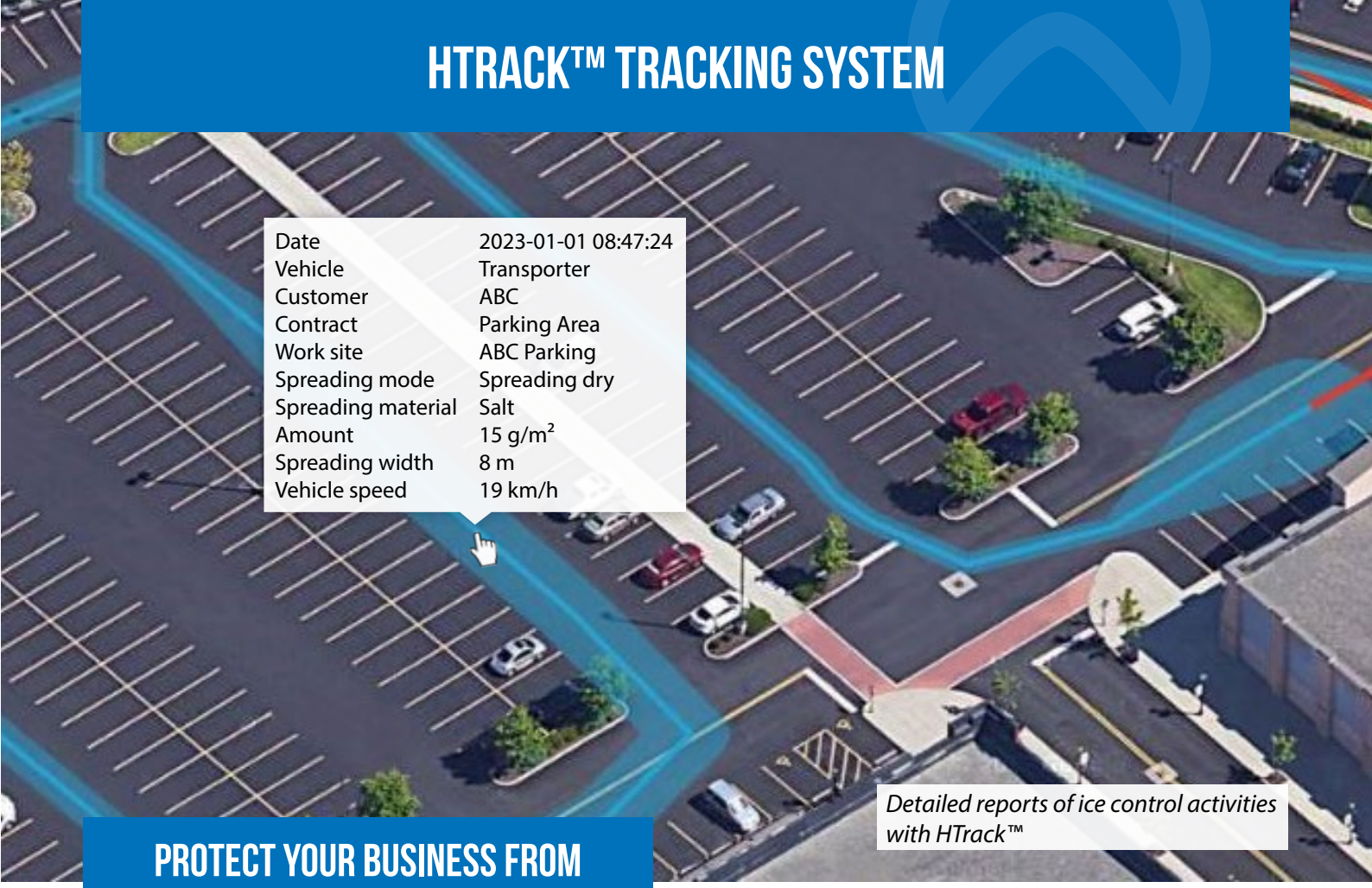
The app in the smart phone lets you customize your spreading session according to your current situation. Automatic GPS speed control adjusts the amount of spreading material (g/m^2) according to your vehicle speed, while manual mode lets you insert a fixed auger speed. Additionally the app collects and saves essential spreading data allowing you to generate spreading reports. This wireless control system also makes it easy to turn on functions, work light and optional vibrator from the smart phone inside the cab.

STRIKESMART™ CONTROLLER

The StrikeSmart™ controller is a standard feature for IceStriker™ 380-7000 and SprayStriker™ 500-10000.

The color controller screen lets you customize your spreading session according to your current situation. Automatic GPS speed control adjusts the amount of spreading material (g/m^2) according to your vehicle speed, while manual mode lets you insert a fixed auger speed. Additionally, the controller collects and saves essential data to a USB memory allowing you to generate spreading reports. The controller also makes it easy to turn on functions like the vibrator, beacons and work lights from inside the cab.

HTRACK™ TRACKING SYSTEM



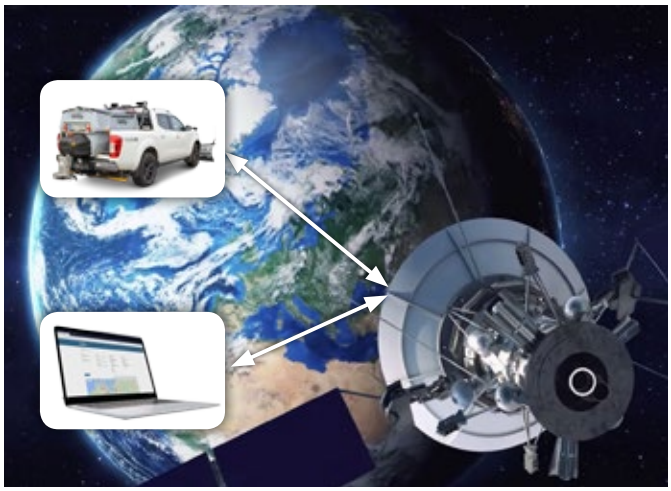
Detailed reports of ice control activities with HTrack™

PROTECT YOUR BUSINESS FROM SLIP AND FALL LIABILITY

www.hilltip.com

The Hilltip HTrack™ system is compatible with all models of IceStriker™, SprayStriker™ and SnowStriker™. With the tracking software you can track and manage all of your spreading devices and snowplows online on your computer, tablet or smart phone.

The HTrack™ system provides a **2-way GPRS communication channel** as it informs the driver what sites to treat during operations. Application rates can be remotely set for each client's site according to weather conditions, enabling the driver to concentrate on completing the operation as quickly and safely as possible.



GPS satellite returns vehicle position & speed

HTrack™ transfers spreading data via mobile network

HTRACK™ TRACKING SYSTEM

FEATURES

- ✓ Easy to use interface
- ✓ Track your devices in real-time or between specific time intervals:
  - Show route on map
  - Show speed, GPS location, material used, etc.
- ✓ Show one or multiple units.
- ✓ The spreading/spraying width is visually represented on the map.
- ✓ Download session reports and performance details.
- ✓ You can preset desired application rate for all your spreaders for specific work sites.
- ✓ HTrack™ precalculates your salt usage per work site.
- ✓ HTrack™ automatically recoginizes when the spreader reaches a preset work site.
- ✓ You can change application rates on hundreds of spreaders in a few seconds!
- ✓ All tracking data is collected under specific work sites for easy reporting.

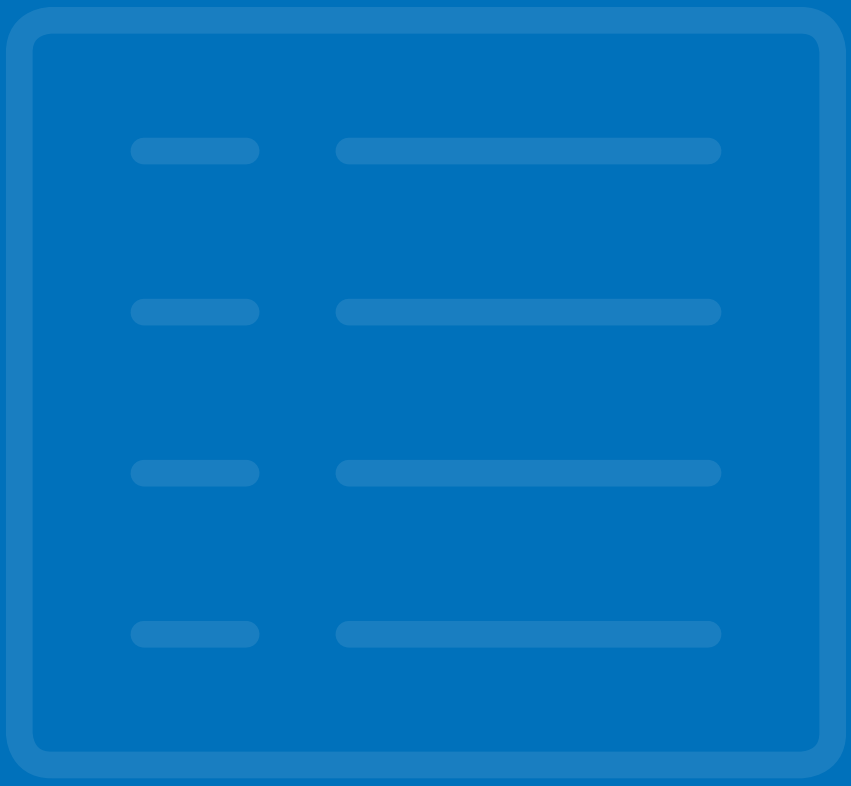
HTrack™ allows users to create work sites for their client's areas. They can see exactly the size of the area being treated and the amount of material needed.

Pop up on the controller screen when spreader reaches a preset work site.

WHY HILLTIP ICESTRIKER™ SPREADERS?

- ✓ The industry's only 2-way GPRS capable tracking software that allows communication between your smart phone/tablet/computer and your StrikeSmart™ controller.
- ✓ User friendly interface allows application rates to be remotely set and adjusted in real time for each customer site depending on weather conditions.
- ✓ HTrack™ assists in route optimizations and resource allocations for increased operational efficiency and profitability.
- ✓ Reports of spreading material used daily, monthly etc. by specific customers.
- ✓ Detailed documentation of ice control activities at individual customer locations that provides additional evidence if legal action should become necessary.

TECHNICAL SPECIFICATIONS



- ICESTRIKER™
- SPRAYSTRIKER™
- BRINEMIXX™

ICESTRIKER™ SPECIFICATIONS

ICESTRIKER™ 1600-7000 L SPREADERS

MODEL	1600/2100/2600	3000/4000 AM/CM	5000/6000 CM	7000 CM
Total length (including spinner)	300 cm	360 cm	410 cm	460 cm
Minimum truck bed length	210 cm	290 cm	350 cm	410 cm
Maximum external width (with tarp mounted)	175 cm	170 cm	170 cm	170 cm
Total height of the hopper from the loading surface of the carrying vehicle	125/139/155 cm	130/155 cm	155/165 cm	155 cm
Capacity, struck	1500/2000/2500 l	2600/3200 l	4200/5200 l	6200 l
Capacity, rounded	1600/2100/2600 l	3000/4000 l	5000/6000 l	7000 l
Weight (empty)	360/395/420 kg	455/490 kg	750/850 kg	950 kg
Hopper construction	Poly	Poly	Poly	Poly
Spreading width	1-12 m (may vary depending on material)			
Spinner size	500 mm	500 mm	500 mm	500 mm
Auger diameter (stainless steel)	150 mm	150 mm	150 mm	150 mm
Chain Conveyor width	300 mm	300 mm	300 mm	300 mm
Material	Salt, sand, flne gravel/ mixed (max 8 mm Ø with auger)			
Vehicle	4,5-18 ton trucks			

A = Auger, C = Chain and M = Modular

OPTIONAL LIQUID SYSTEM

MODEL	1600/2100/2600	3000/4000 AM/CM	5000/6000 CM	7000 CM
Pre-wet, Spray volume	3-12 l/min	3-12 l/min	3-12 l/min	3-12 l/min
Spraybar, Spray volume	5-25 l/min	5-25 l/min	5-25 l/min	5-25 l/min
Pre-wet, Spraying width	1-8 m (together with spreading material)			
Spraybar, Spraying width	2-5 m	2-5 m	2-5 m	2-5 m
Pre-wet, liquid tank capacity	900 l	1000 l	1200 l	1400 l
Spraybar, liquid tank capacity	900-2200* l	1000-2500* l	1200-3000* l	-
Spraying material	Anti- and de-icing liquids, water. **			

** With optional bladder tank inside for spray bar system*
*** Do not use flammable or petroleum liquids for the liquid system*

ICESTRIKER™ COMBI PLUS SERIES

MODEL	2600 CM	3000/4000 AM/CM	5000/6000 CM	7000 CM
Total hopper length with 1 additional tank	310 cm	365 cm	415 cm	485 cm
Total hopper length with 2 additional tanks	370 cm	425 cm	475 cm	545 cm
Total hopper length with 3 additional tanks	430 cm	485 cm	-	-
Additional tank volume	1000 l/tank	1000 l/tank	1000 l/tank	1000 l/tank
Additional tank weight (empty tank(s) + legstand extension)	175/325/475 kg	175/325/475 kg	175/325 kg	175/325 kg
Additional tank width	160 cm	160 cm	160 cm	160 cm
Additional tank height	130 cm	130 cm	130 cm	130 cm

Specifications and other details are subject to change without notice.

ICESTRIKER™ SPECIFICATIONS

ICESTRIKER™ 900AM-1250AML SPREADER

MODEL	900 AM	1150 AM	1250 AML
Total length (including spinner)	260 cm	260 cm	300 cm
Minimum truck bed length	170 cm	170 cm	210 cm
Maximum external width (with tarp mounted)	114 cm	114 cm	114 cm
Total height of the hopper from the loading surface of the carrying vehicle	115 cm	130 cm	115 cm
Capacity, struck	850 l	1100 l	1180 l
Capacity, rounded	900 l	1150 l	1250 l
Weight (empty)	225 kg	245 kg	270 kg
Hopper construction	Poly	Poly	Poly
Spreading width	1 - 8 m (may vary depending on material)		
Spinner size	390 mm	390 mm	390 mm
Auger diameter (stainless steel)	115 mm	115 mm	115 mm
Material	Salt, sand, fine gravel/ mixed (max 8 mm Ø)		
Vehicle	Min. 3,5 ton trucks	Min. 3,5 ton trucks	Min. 3,5 ton trucks

A = Auger, C = Chain and M = Modular

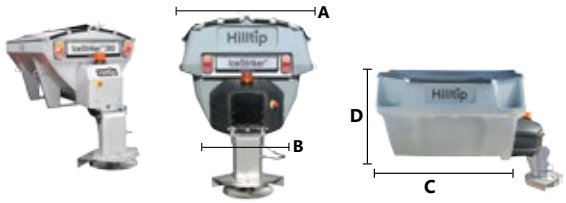
OPTIONAL LIQUID SYSTEM

MODEL	900 AM	1150 AM	1250 AML
Pre-wet, Spray volume	3-12 l/min	3-12 l/min	3-12 l/min
Spray bar, Spray volume	5-25 l/min	5-25 l/min	5-25 l/min
Pre-wet, Spraying width	1-8 m (together with spreading material)		
Spray bar, Spraying width	2-5 m	2-5 m	2-5 m
Pre-wet, liquid tank capacity	450 l	450 l	530 l
Spray bar, liquid tank capacity	450 l / 1200 l *	450 l / 1200 l *	530 l / 1500 l *
Spraying material	Anti- and de-icing liquids, water. **		

** With optional bladder tank inside for spray bar system*
*** Do not use flammable or petroleum liquids for the liquid system*

Specifications and other details are subject to change without notice.

ICESTRIKER™ SPECIFICATIONS



ICESTRIKER™ 380-1100 SPREADER

MODEL	380	550	750	850	1100
Overall Width A	91 cm	120 cm	120 cm	120 cm	120 cm
Width B	70 cm	90 cm	90 cm	90 cm	90 cm
Minimum Truck bed Length C	100 cm	120 cm	120 cm	170 cm	170 cm
Height D	73 cm	92 cm	107 cm	92 cm	107 cm
Capacity, struck	350 l	500 l	700 l	750 l	1000 l
Capacity, rounded	380 l	630 l	780 l	880 l	1100 l
Weight (empty)	120 kg	145 kg	170 kg	190 kg	215 kg
Hopper construction	Stainless steel	Poly	Poly	Poly	Poly
Spreading width	1 - 8 m (may vary depending on material)				
Spinner size	390 mm	390 mm	390 mm	390 mm	390 mm
Auger diameter	65 mm	65 mm	65 mm	65 mm	65 mm
Material	Salt, sand, fine gravel/ mixed (max 8 mm Ø)				
Vehicle	Pick-ups and UTV	Pick-ups and UTV	Pick-ups and UTV	Pick-ups and trucks	Min. 3,5 ton trucks

OPTIONAL LIQUID SYSTEM 550-1100

MODEL	550	750	850	1100
Pre-wet, Spray volume	3-12 l/min	3-12 l/min	3-12 l/min	3-12 l/min
Spraybar, Spray volume	5-25 l/min	5-25 l/min	5-25 l/min	5-25 l/min
Pre-wet, Spraying width	1-8 m (together with spreading material)			
Spraybar, Spraying width	2-5 m	2-5 m	2-5 m	2-5 m
Pre-wet, liquid tank capacity	330 l	330 l	450 l	450 l
Spraybar, liquid tank capacity	330l/900l*	330l/900l*	450l/1200l*	450l/1200l*
Spraying material	Anti- and de-icing liquids, water. **			

** With optional bladder tank inside for spray bar system*
*** Do not use flammable or petroleum liquids for the liquid system*

PRE-WET SYSTEM 380

MODEL	380
Spray volume	3-12 l/min
Liquid tank capacity	100 l
De-icing solutions	Anti- and de-icing liquids, water**

*** Do not use flammable or petroleum liquids for the liquid system*

Specifications and other details are subject to change without notice.

ICESTRIKER™ SPECIFICATIONS

ICESTRIKER™ 600-1000 TR SPREADER

MODEL	600 TR	800 TR	1000 TR
Overall width	150 cm	150 cm	150 cm
Height	150 cm	165 cm	180 cm
Capacity, struck	550 l	750 l	950 l
Capacity, rounded	630 l	850 l	1050 l
Weight (empty)	320 kg	360 kg	390 kg
Hopper construction	Poly	Poly	Poly
Spreading width	1-8 m (may vary depending on material)		
Spinner size	390 mm	390 mm	390 mm
Auger diameter	65 mm	65 mm	65 mm
Vehicle	Tractors/loaders		
Material	Salt, sand, fine gravel/ mixed (max 8mm Ø)		

OPTIONAL LIQUID SYSTEM

MODEL	600 TR	800 TR	1000 TR
Pre-wet, Spray volume	3-12 l/min	3-12 l/min	3-12 l/min
Spraybar, Spray volume	5-25 l/min	5-25 l/min	5-25 l/min
Pre-wet, Spraying width	1-8 m (together with spreading material)		
Spraybar, Spraying width	2-5 m	2-5 m	2-5 m
Pre-wet, liquid tank capacity	330 l	330 l	330 l
Spraybar, liquid tank capacity	330/900 l *	330/900 l *	330/900 l *
Spraying material	Anti- and de-icing liquids, water, liquid fertilizers **		

** With optional bladder tank inside for spray bar system*
*** Do not use flammable or petroleum liquids for the liquid system*

Specifications and other details are subject to change without notice.

ICESTRIKER™ SPECIFICATIONS

ICESTRIKER™ 120-300 SPREADER

MODEL	120	200	300
Total width	80 cm	80 cm	80 cm
Total depth	60 cm	60 cm	60 cm
Total height	82 cm	105 cm	130 cm
Capacity, struck	120 l	205 l	290 L
Capacity, rounded	130 l	215 l	305 l
Weight (empty)	58 kg	65 kg	70 kg
Hopper construction	Poly	Poly	Poly
Spreading width	1-8 m (may vary depending on material)		
Spinner size	320 mm	320 mm	320 mm
Auger diameter (stainless steel)	65 mm	65 mm	65 mm
Material	Salt, sand, fine gravel/ mixed (max 8 mm Ø)		
Vehicle	Utility vehicles, pick-ups, vans, tractors, loaders and forklifts		

ICESTRIKER™ DSB

MODEL	220 DSB	280 DSB	250 DSB	320 DSB	400 DSB	500 DSB
Width	900 mm	900 mm	1200 mm	1200 mm	1200 mm	1200 mm
Height	600 mm	745 mm	600 mm	690 mm	765 mm	840 mm
Volume	220 l	280 l	250 l	320 l	400 l	500 l
Weight (empty)	135 kg	170 kg	160 kg	190 kg	200 kg	210 kg
Spreading width	80 cm	80 cm	110 cm	110 cm	110 cm	110 cm
Self loading	Yes	Yes	Yes	Yes	Yes	Yes
Source of power	12V electric or hydraulic					
Material	Salt, sand, fine gravel/ mixed (max 10 mm Ø)					
Vehicle	Tractors & Loaders	Tractors & Loaders	Tractors & Loaders	Tractors & Loaders	Tractors & Loaders	Tractors & Loaders

Specifications and other details are subject to change without notice.

ICESTRIKER & SPRAYSTRIKER™ SPECIFICATIONS

TOWABLE ICESTRIKER™

MODEL	380	550	900	1150	1600	2100
Trailer type	Single axle	Single axle/ Dual axle with brakes	Dual axle with brakes	Dual axle with brakes	Dual axle with brakes	Dual axle with brakes
Total trailer length (including spinner)	2550mm	2550/ 4500 mm	3940 mm	3940mm	4500 mm	4500 mm
Total trailer width	1600 mm	1700 mm	1450 mm	1450 mm	1700 mm	1700 mm
Height	1500 mm	1650 mm	1900 mm	2003 mm	2000 mm	2140 mm
Max weight (loaded)	750 kg	750kg/ 2700 kg	2700 kg	2700 kg	3500 kg	3500 kg

SPRAYSTRIKER™ 3000-10000 SPRAYER

MODEL	3000	4000	5000	6000	7000	8000	10000
Height	145 cm	145 cm	145 cm	145 cm	145 cm	145 cm	145 cm
Width	161 cm	161 cm	161 cm	161 cm	161 cm	161 cm	197 cm
Length	240 cm	300 cm	360 cm	420 cm	480 cm	540 cm	565 cm
Tank volume	3000 l	4000 l	5000 l	6000 l	7000 l	8000 l	10000 l
Spray width	2,5-9 m	2,5-9 m	2,5-9 m	2,5-9 m	2,5-9 m	2,5-9 m	2,5-9m
Spray volume, 12V/24V	55/110 l/min	55/110 l/min	55/110 l/min	55/110 l/min	55/110 l/min	55/110 l/min	55/110L/min
1 lane, Max speed @25ml/m^2, 12V/24V	42,5/85 km/h	42,5/85 km/h	42,5/85 km/h	42,5/85 km/h	42,5/85 km/h	42,5/85 km/h	42.5/85 km/h
3 lane, Max speed @25ml/m^2, 12V/24V	15/30 km/h	15/30 km/h	15/30 km/h	15/30 km/h	15/30 km/h	15/30 km/h	15/30 km/h
Weight	760 kg	780 kg	950 kg	1100 kg	1230 kg	1390 kg	1650 kg

Specifications and other details are subject to change without notice.

SPRAYSTRIKER™ SPECIFICATIONS

SPRAYSTRIKER™ 500-2000 SPRAYER

MODEL	500 LITER	1000 LITER	1500 LITER	2000 LITER
Height	105 cm	105 cm	105 cm	105 cm
Width	106 cm	106 cm	106 cm	106 cm
Length	100 cm	160 cm	225 cm	285 cm
Tank volume	500 l	1000 l	1500 l	2000 l
Spray width (max)	5 m	5 m	5 m	5 m
Spray volume	5-36 l/min	5-36 l/min	5-36 l/min	5-36 l/min
Weight	180 kg	230 kg	280 kg	350 kg

TOWABLE SPRAYSTRIKER™

MODEL	500 LITER	1000 LITER	1500 LITER	2000 LITER
Trailer type	Single axle	Dual axle with brakes	Dual axle with brakes	Dual axle with brakes
Total trailer length (including spraybar)	2500 mm	4350 mm	4350 mm	4350 mm
Total trailer width	1600 mm	1700 mm	1700 mm	1700 mm
Height	1500 mm	1500 mm	1500 mm	1500 mm
Weight (loaded)	max 750 kg	max 2700 kg	max 2700 kg	max 2700 kg

SPRAYSTRIKER™ 250 TR & 350 UTV-SERIES

MODEL	250 TR	350 UTV
Liquid tank capacity	250 l	350 l
Width	90 cm	100 cm
Height	120 cm	95 cm
Length	70 cm	85 cm
Empty Weight	120 kg	140 kg
Spraybar width	0,8 m, 1,2 m or 2 m	0,8 m, 1,2 m or 2 m
Spraying width	0,8 - 5 m	0,8 - 5 m
Spray volume	3-18 l/min	3-18 l/min
Power supply	12 V, max 30 Ah	12 V, max 30 Ah

Specifications and other details are subject to change without notice.

BRINEMIX™ SPECIFICATIONS

BRINEMIXX™ BRINE BLENDER

MODEL	500	1400	3000
Capacity	500 l	1400 l	3000 l
Output	390 l/min	390 l/min	390 l/min
Empty weight	54 kg	85 kg	168 kg
Height	1039 mm	1260 mm	2000 mm
Tank diameter	888 mm	1245 mm	1500 mm
Total diameter	1088 mm	1477 mm	1711 mm

Specifications and other details are subject to change without notice.

SprayStriker™ 5000 l

SNOW AND ICE CONTROL EXPERTS

Hilltip is a leading European manufacturer of road maintenance equipment for light pickups and trucks.

The climate of Finland and many years of experience have made us experts in developing the most efficient and durable products for snow and ice control. The combination of high quality materials and state of the art technology makes it hard to compete with Hilltip products.

Our products are designed, engineered and produced in our factory in Pietarsaari, Finland.

Hilltip

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