

POLY SPREADER

SHPE

Pick up - commercial vehicles - pickup trucks - porter

NEW



Hopper - Anti-corrosion Polyethylene

≡ **Double wall®**

Screw containment tank - AISI 304 stainless steel th. 2.5mm

Turret in AISI 304 stainless steel and Polyethylene

Driven by the
vehicle's
battery



12V 24V

EASY

Assembly
disassembly



Maintenance



Low
acoustic
impact



ZERO
EMISSION

Fertilizer
spreader, sand,
peat, flax



Salt, salt
and sand
mixture



2
HDPE

The SaltDogg® spreaders of the SHPE series are completely independent and ultra-durable, the main structure is in anti-corrosion double-chamber polyethylene (patented), which gives the salt spreader robustness and lightness. The hopper and auger are made of stainless steel. The robust design allows the use of salt or salt/sand mix. Easily mounts to small vehicles, pickups, dump trucks and vans. SHPE0750 is easily mountable even on small vehicles.



SHPE0400
Capacity It 350



SHPE0750
Capacity It 600



SHPE1000
Capacity It 800



SHPE1500
Capacity It 1200



SHPE2000
Capacity It 1600

MODELLO STANDARD



SHPE0400 Capacity It 350



- ✓ Anti-corrosion polyethylene hopper = **Double wall®**
- ✓ **KIT** - Regulation controller and wiring cables ★
- ✓ Stainless steel screw
- ✓ Vibrator
- ✓ Polyvinyl cover sheet
- ✓ High D polyethylene disc. Ø nn 36
- ✓ Anchor straps
- ✓ Screen in protective mesh
- ✓ Instruction booklet



MODELLO STANDARD

SHPE0750 Capacity It 600



- ✓ Anti-corrosion polyethylene hopper = **Double wall®**
- ✓ **KIT** - Regulation controller and wiring cables ★
- ✓ Stainless steel screw
- ✓ Vibrator
- ✓ Polyvinyl cover sheet
- ✓ High D polyethylene disc. Ø nn 36
- ✓ Anchor straps
- ✓ Screen in protective mesh
- ✓ Instruction booklet



MODELLO STANDARD

SHPE1000 Capacity It 800



- ✓ Anti-corrosion polyethylene hopper = **Double wall®**
- ✓ **KIT** - Regulation controller and wiring cables ★
- ✓ Stainless steel screw
- ✓ Vibrator
- ✓ Polyvinyl cover sheet
- ✓ High D polyethylene disc. Ø nn 36
- ✓ Anchor straps
- ✓ Screen in protective mesh
- ✓ Instruction booklet



✓ MODELLO STANDARD

SHPE1500 Capacity lt 1200



- ✓ Anti-corrosion polyethylene hopper = Double wall®
- ✓ KIT - Regulation controller and wiring cables ★
- ✓ Stainless steel screw
- ✓ Vibrator
- ✓ Polyvinyl cover sheet
- ✓ Disco in polyethylene Alta D. Ø nn 36
- ✓ Anchor straps
- ✓ Screen in protective mesh
- ✓ Instruction booklet



MODELLO STANDARD

SHPE2000 Capacity lt 1600



- ✓ Anti-corrosion polyethylene hopper = Double wall®
- ✓ KIT - Regulation controller and wiring cables ★
- ✓ Stainless steel screw
- ✓ Vibrator
- ✓ Polyvinyl cover sheet
- ✓ High D polyethylene disc. Ø nn 36
- ✓ Anchor straps
- ✓ Screen in protective mesh
- ✓ Instruction booklet



TECHNICAL SPECIFICATIONS & DESCRIPTION

► AISI 304 stainless steel tank th. 2.5mm



SHPE0400
Capacity lt 350

MINIMUM PLATFORM BASE
mm

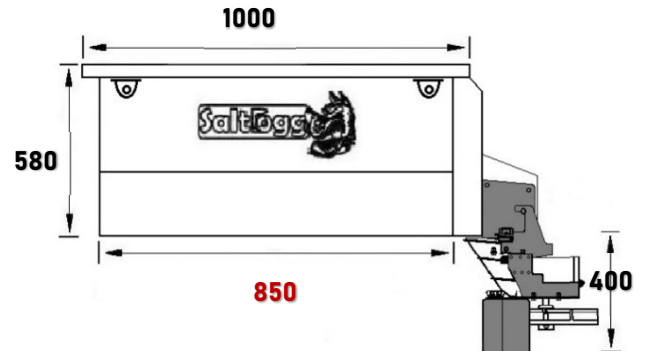
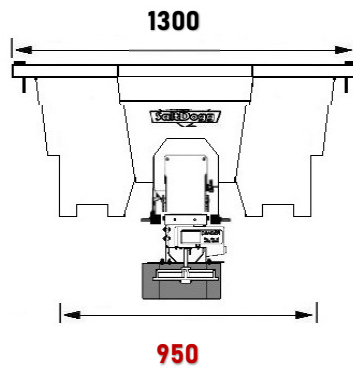
Larg 950 - Prof 850

Weight kg

Empty 120 - Full ± 550

Spreading range mt

1/9



SHPE0750
Capacity lt 600

MINIMUM PLATFORM BASE
mm

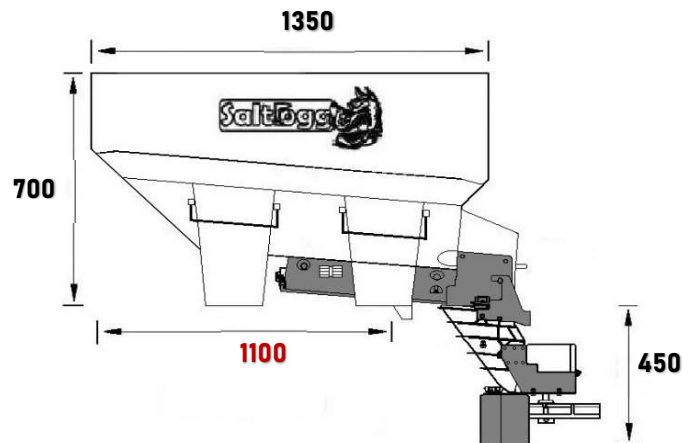
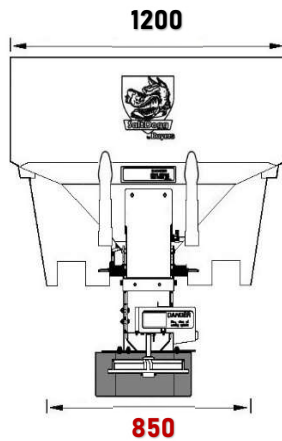
Larg 850 - Prof 1100

Weight kg

Empty 122 - Full ± 900

Spreading range mt

1/9



SHPE1000
Capacity lt 800

MINIMUM PLATFORM BASE
mm

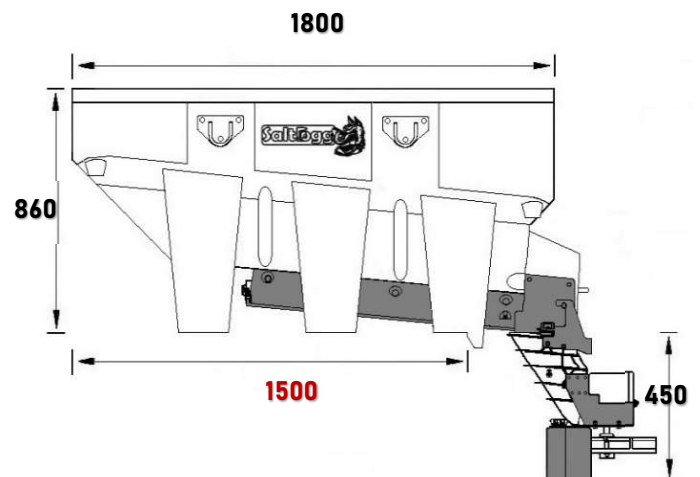
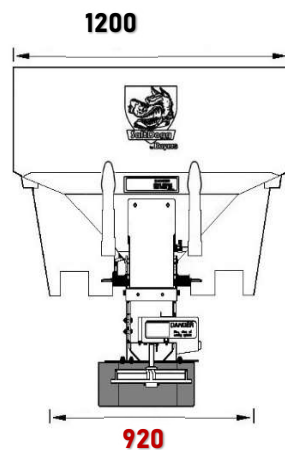
Larg 920 - Prof 1500

Weight kg

Empty 155 - Full ± 1100

Spreading range mt

1/9



SHPE1500

Capacity lt 1200

**MINIMUM PLATFORM BASE
mm**

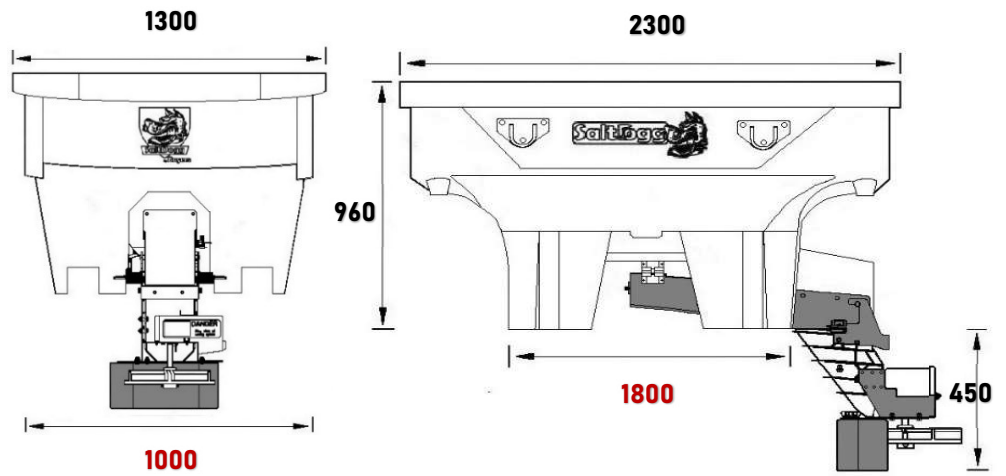
Larg 1000 - Prof 1800

Weight kg

Empty 235 - Full ± 1500

Spreading range mt

1/9



SHPE2000

Capacity lt 1600

**MINIMUM PLATFORM BASE
mm**

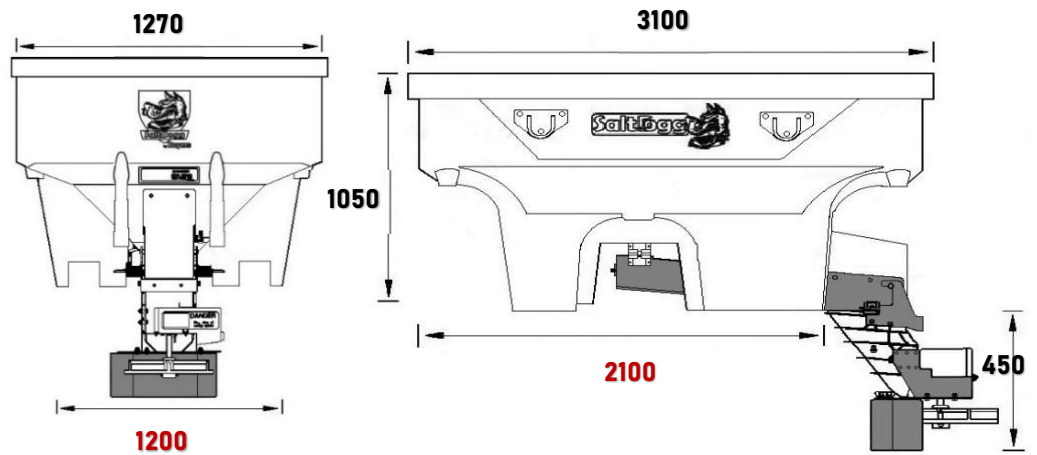
Larg 1200 - Prof 2100

Weight kg

Empty 428 - Full ± 2300

Spreading range mt

1/9



Electric drive

The salt spreader is powered by the battery of the vehicle on which it is mounted. No additional battery is required, the vehicle's alternator is easily able to support the consumption of the 3 high-efficiency motors: auger, disc and vibrator. Compared to traditional systems, this system has no fuel consumption (ecological and economical), has low maintenance and low noise impact, the 12/24 volt engines are powered directly by the battery.

▶ Vehicle battery



12V - 24 V

Hopper & Tank

Hopper



The double-walled, anti-corrosion, high-density polyethylene (HDPE) hopper is obtained by rotational molding, with smooth walls angled to maximize the flow of the material. It gives the entire structure lightness and solidity. The design study guarantees the maximum flow of salt to the tank. Polyethylene is long-lasting and resistant to corrosion.

▶ Anti-corrosion polyethylene

= Double wall®



Basin

▶ The auger is housed inside the 2.5 mm thick stainless steel tank.

▶ AISI 304 STAINLESS STEEL



Electric motors & protections

3 ultra-silent 12 volt high-performance motors power the auger, the disc and the vibrator. They are encased in a durable polymer housing. The controller to be installed in the cabin regulates the speed and activates the vibrator. The wiring is constructed with automotive cable with a fireproof sheath.

Vibrator 200 lbs



▶ Electric motor protection casing



Polymer

Auger & spreading system

Cochlea

▶ AISI 304 stainless steel - Ø 70 mm.

The Ø 70 mm worm screw system runs along the length of the hopper floor providing maximum material flow, with continuous flow. An independent controller allows you to adjust the speed of the spreading disc, the speed of the auger and to activate the vibrator.



Spreading system

The polymer disc is connected to a Ø 20 mm shaft. The material is guided from the stainless steel tank to the spreading disc through a resistant, closed polymer discharge. The very large, stainless steel deflector is adjustable, protects the vehicle and allows complete control of the directional diffusion. The spreading width is adjustable from 1 / 9 m. A convenient spring locking mechanism allows the turret to be removed for cleaning/storage.



▶ Polyethylene disc

Ø mm 360



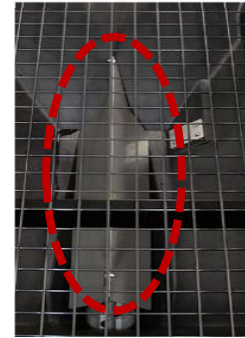
Range shedding

MT 1/9



Flow meter

▶ V HEIGHT ADJUSTABLE REVERSE



Turret

Made of stainless steel and anti-corrosion polyethylene, the controller regulates the speed of the Ø 36 mm high-resistance polyethylene disc. The stainless steel deflector protects the frame of the vehicle and allows you to direct the flow of salt.

H mm 450



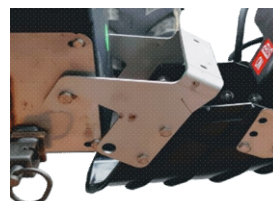
Quick bayonet connection and release with 2 retractable pins with safety pins. Assembly and disassembly do not require additional equipment.



Salt crankcase regulator

Manual
DX - SX

Quick coupling for turret



Retractable pins



Controller & Wiring Kit

The controller, mounted in the cab, regulates the speed of the 1/2 HP auger motor from 1/9, and the speed of the 1/4 HP spreading disc motor from 1/9. Vibrator on/off switch. The controller electronics also manages diagnostics, reporting any problems and suggesting possible solutions.



Funzioni controller

- A** - On / Off
- B** - Potentiometer spreading disc
- C** - Disc display
- D** - Auger display
- E** - Auger potentiometer
- F** - Vibrator On/Off
- G** - Break
- H** - Controller fixing bracket

► Speed: Auger/Disc, independent



H

Controller connection harnesses

N° 2 harnesses - Made with Ø 10 gauge automotive cable with fireproof and watertight sheath.

① Drums



① Engines



Watertight plugs

Salt coverage

Polyvinyl cover with elastic fastening.



Rubber bands



Cloth hooking



Cloth

Safety



Grill

Internal protection in stainless steel auger
Excluding MOD. SHPE 0750

Galvanized hook



Grid stop

N.B. THE GRID must be removed only in case of maintenance, after having disconnected the salt spreader from the electrical system.

MAINTENANCE - ASSEMBLY - ANCHORS - OPTIONAL



MAINTENANCE

▶ ① Cleaning the hopper and turret with water

Whenever possible clean the hopper and turret with water, even better with a pressure washer. At the end of the season, simply wash the hopper with water.



▶ ② Electrical contact lubricant

Grease the contacts of the electrical wiring with appropriate grease to avoid oxidation, with consequent malfunction of the salt spreader. Store the control unit in a dry place.

IMPORTANT



Antioxidant lubricant

▶ ③ Grease the auger bearing

Grease the auger bearing using the appropriate grease nipple. (POSITIONED IN FRONT OF THE SALT SPREADER)

Greaser



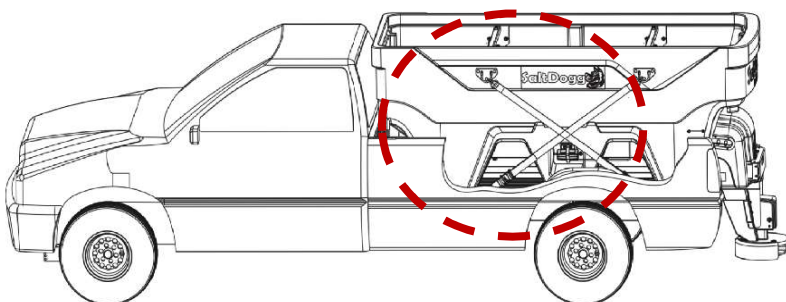
Auger bearing



ASSEMBLY ON THE VEHICLE

Integrated mounting system. No drilling is necessary. The 4 anchoring brackets fixed directly in the hopper make installation and removal simple by a single person. The 4 ratchet straps supplied allow for safe anchoring to the vehicle.

▶ For correct fixing on the body



4 Ratchet fastening straps



3007527

Long turret
H mm 770



SL501A

Flashing / magnet



149210

Rear light

LED lights



8883010

Rear camera kit, for
spreading control



Screen



7 inches

