

TSS

Combination machine

The TSS is a towed sweeping and spraying unit designed for de-icing narrow roads, car parks and cycle paths and combines three de-icing steps in one operation: ploughing, sweeping and spraying. The combination of snow plough and broom enables very accurate clearing, while the spraying unit ensures even distribution of the spray agent, meaning less time is needed for clearing and spreading.

Highlights

- **Three de-icing steps** in one machine
- Combination of **curative and preventive methods**
- **Saving costs and resources**

Your benefits

- The **combination of snow plough and broom** enables more precise clearing and increases the safety of road users.
- **Clearing and spraying in a single operation** reduces material costs and man-hours.
- Spraying guarantees an even distribution and **immediate impact** of the spray agent for a high level of safety.
- **Innovative solution** for winter maintenance on cycle paths and small municipal areas.

Performance features

Clearing technology

The TSS consists of a trailer with sweeping unit and spraying system, and combines three different de-icing steps. Firstly, it ploughs the snow to the side, then it sweeps away the remaining snow and, finally, it sprays brine onto the road.

Sweeping unit

The TSS has a VKS high-speed sweeper roller with manually adjustable spoiler for optimum snow ejection, and is technically designed for speeds of up to 40 km/h (25mph). It is attached to DIN plate size 5. The roller brush is guided by a parallel lifting system and is raised, lowered and swivelled hydraulically. The height-adjustable trailing wheels optimise the roller brush guidance. Two different broom widths are available: 1,800 and 2,400mm.



Spraying system

The spraying system is suitable for all common de-icing agents. The 2,500 litre polyethylene tank, which is equipped with baffles and level indicator, allows a large radius of action, while a minimum level switch ensures an automatic pump shut-off in case of overfilling. Filling takes place via a manhole or C-connection. The fixed spray tube comes with a single or double row of nozzles plus throwing nozzles to extend the spraying width, and is supplied by a liquid diaphragm pump which operates at 120 litres per minute.



Snowplough

Cleaner clearance is achieved on the TSS with our SNK, FLL or CP snow ploughs.

Mounting

The TSS can be attached to a tractor using a standard two-point hitch system category II/IIIN. The version with a broom width of 1,800mm requires a tractor with a power output of 80HP, while the variant with a broom width of 2,400mm requires 120HP.

Drive system

Both broom and sprayer are driven by the tractor‘s power take-off shaft. The plough and brush are controlled via the tractor‘s hydraulics.

Operation

The ES control panel in the driver‘s cab is used for road-speed related control of the sprayer. A frost-resistant 7“ colour touch screen display is housed in a splash-proof, robust casing. The click-turn knobs and illuminated push buttons ensure convenient operation of the primary and menu-dependent functions.

Additional information

An homologation test for road use should be carried out for each individual country.

Related products

SNK

Snow plough



VKS

Sweeper



CSP

Sprayer



Technical data

	TSS 112	TSS 122
Pre-wet equipment		
Tank capacity	2,500 l	2,500 l
Distribution system		
Distribution systems	Spray nozzles: Spraying width: 1.7 - 3.1 - 4.5 m	Spray nozzles: Spraying width: 2.2 - 3.6 - 5.0 m
Mounting/demount system		
Mounting/demount system	Trailer	Trailer
Control system		
Control system	ES	ES
Speed		
Working speed	40 km/h	40 km/h
Weights		
Empty weight approx.	2,135 kg	2,195 kg
Sweeping Unit		
Brush width	1,800 mm	2,400 mm
Sweeping width	1,620 mm	2,150 mm

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