

Technical compartment

High-strength steel rear cowling to protect the technical compartment (pump, valves, electrical/electronic components). The technical compartment is opened by gas springs.

Gear pump for lime milk management

This pump is made of AISI 316 steel and bronze, dedicated to the mixing of lime milk. Located in the technical compartment.

High-flow centrifugal pump

Mix water and milk of lime with each other, constructed of AISI 316 steel. Laser welded according to EN733 (DIN24255). Pump located in the technical compartment.

Automatically operated diaphragm valves

Valves that regulate the flow of lime milk solution to the nozzles. Pneumatically controlled through the carrier vehicle system.

Paintwork

The painting process of the carpentry parts is done in several stages: SA 2.5 shot blasting; powder primer with 30% galvanized epoxy resin; polyester powder coating, baking at 200°. Hydraulic and electrical parts, on the other hand, are treated with Teroson Terotex 3000. This type of painting has obtained certification from an independent laboratory for resistance to over 2000h in salt spray.

Modular tanks

Modular tanks made of recyclable polyethylene and connected together in such a way as to obtain a solid structure while maintaining enough flexibility to be mounted on the chassis of vehicles without limiting their elasticity. Each tank has a capacity of 2500 l and features a manhole opening with a diameter of 455 mm.

IBC container compartment and lime cube

Compartment prepared for the storage of the 1000-liter lime cube. The structure facilitates easy loading and unloading, there is anti-tip protection with a safety bar and a catch basin to prevent dispersion of the material on the vehicle.

Lime milk agitator

It is placed directly inside the lime cube and must be operated time before the machine is used. It is used to re-emulsify the precipitated solution, the processing time goes by how long the lime milk has been stationary without being stirred. Operated by hydraulic motor.

ECOS control panel

Microprocessor control panel allows spreading adjustment by different operating parameters. Powered from the driver's cab of the carrier vehicle, storage of up to four spreading programs. Possibility of downloading data to PC and sending reports to printer.

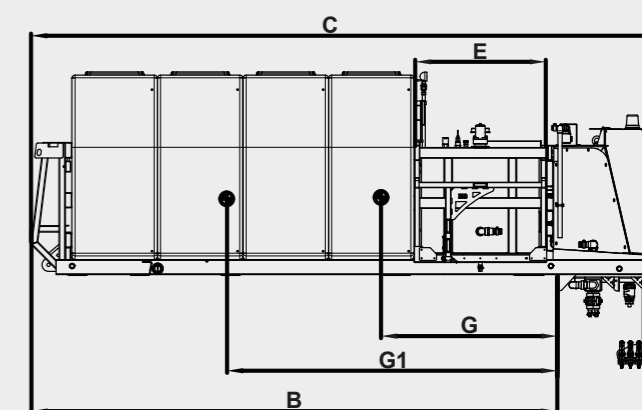
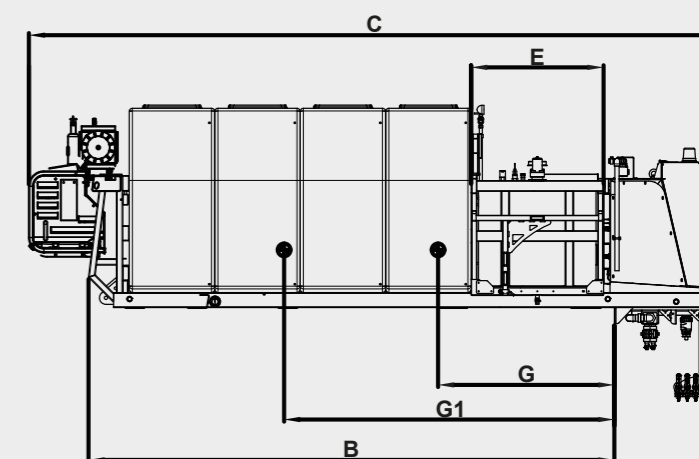
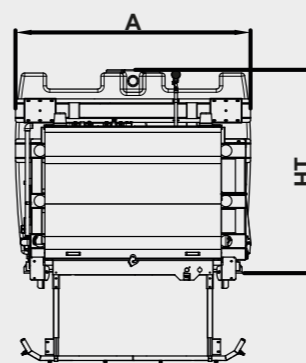
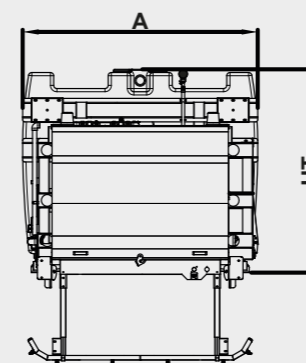
Auxiliary engine data

Power in work of auxiliary engine	14,8 kW
Maximum auxiliary engine power	16,3 kW
Maximum torque auxiliary engine	48 Nm
Auxiliary engine diesel tank cap.	45 l
Auxiliary engine oil tank capacity	86 l

Spreading data

Spreading diagram STD	1.5 - 3 - 4 - 5 m
Spreading diagram OPT	1.75 - 3.5 - 4.25 - 5 m
Solution dosage	100 - 300 g/m ²
Maximum working speed (solution)	10 km/h
Maximum water dosage	2500 g/m ²
Maximum working speed (water)	2.5 km/h

Bucher MixSpray M



Bucher Municipal



For local contact and support, please scan the QR code or visit

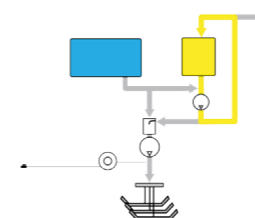
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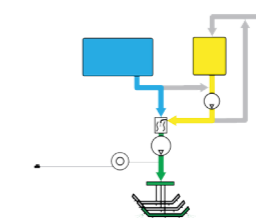
Bucher MixSpray_datasheet_Rev001_07/2023
Technical data is subject to change without prior notice.
The illustrations may deviate from standard equipment.

Fasi di lavoro



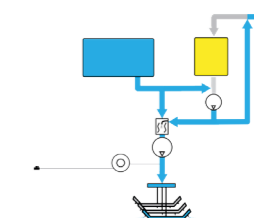
Preparation of milk of lime

Hydrated lime is a substance that tends to precipitate even after a short resting time. It must therefore be agitated by means of a pump that stirs the solution via the control panel located in the cabin.



Milk of lime spreading

The concentrate is ready for mixing and spreading. The machine mixes, doses and finally spreads the required amount, according to the parameters set on the control panel and without the need for operator intervention.



Automatic system flushing

At the end of work, the internal flushing of all machine components is automatically activated. Pressurized water is injected into the various pipes, so that maintenance costs are lowered.

Bucher MixSpray M

Bucher MixSpray M hydraulically driven technical data

		ML350	ML5100	ML6125	ML7150	
B	Min. loading length (suggested +150 mm)	3350	4950	5750	6550	mm
C	Total length	4350	5950	6750	7550	mm
E	Lime cube length	1200	1200	1200	1200	mm
A	Width at the tanks	2220	2220	2220	2220	mm
HT	Maximum height	1970	1970	1970	1970	mm
	Total water capacity	5000	10000	12500	15000	lt
	Single tank capacity	2500	2500	2500	2500	lt
	Lime milk capacity	1	1	1	1	m ³
	Maximum spray width	5	5	5	5	m
	Solution concentration	5 - 20	5 - 20	5 - 20	5 - 20	%
	Maximum auxiliary reel flow rate	150	150	150	150	l/min
G	Empty machine center of gravity	950	1500	2100	2700	mm
G1	Material center of gravity	2140	2940	3340	3740	mm
	Empty sprayer weight	2335	2640	2880	3120	kg

Technical data and pictures are indicative and not binding.

Bucher MixSpray M auxiliary engine driven technical data

		ML350	ML5100	ML6125	ML7150	
B	Min. loading length (suggested +150 mm)	3900	5500	6300	7100	mm
C	Total length	4900	6500	7300	8100	mm
E	Lime cube length	1200	1200	1200	1200	mm
A	Width at the tanks	2220	2220	2220	2220	mm
HT	Maximum height	1970	1970	1970	1970	mm
	Total water capacity	5000	10000	12500	15000	lt
	Single tank capacity	2500	2500	2500	2500	lt
	Lime milk capacity	1	1	1	1	m ³
	Maximum spray width	5	5	5	5	m
	Solution concentration	5 - 20	5 - 20	5 - 20	5 - 20	%
	Maximum auxiliary reel flow rate	150	150	150	150	l/min
G	Empty machine center of gravity	1100	1650	2250	2850	mm
G1	Material center of gravity	2290	3090	3490	3890	mm
	Empty sprayer weight	2760	3065	3305	3545	kg

Technical data and pictures are indicative and not binding.

Technical notes for vehicle mounting - hydraulic drive

- In case of hydraulically operated spreaders, the vehicle must be equipped with hydraulics capable of continuously supplying at least 60 l/min - 200 bar

- 24V socket for powering the control units and lights on board equipment
- 24V socket for in-cab control power supply. If necessary spreading in tachymetric dependence availability of tachometric signal on control power socket

Reference technical standards

- DIRECTIVE 2006/42/EC (CE MARK)
- DIRECTIVE 2014/30/EC
- UNI EN ISO 12100:2010

Technical notes for vehicle mounting - drive via auxiliary engine

- 24V socket for powering the control units and lights on board equipment

- 24V socket for in-cab control power supply. If necessary spreading in tachymetric dependence availability of

tachometric signal on control power socket

Reference technical standards

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Hydraulic drive
By means of the hydraulic and pneumatic system of the carrier vehicle of the drop-proof quick coupling type with rest protection included.



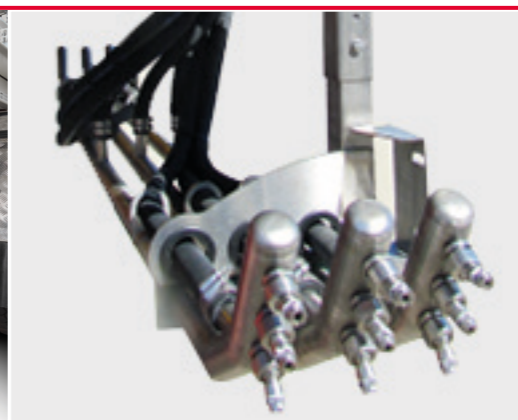
Driven by auxiliary engine (optional)
As a substitute for the hydraulic drive, Bucher MixSpray can be equipped with an auxiliary, diesel-powered, liquid-cooled heat engine. The engine is mounted at the front



Self-priming loading pump
Self-priming pump for loading water inside tanks by sucking it from a tank, stream or container.



Stainless steel hose reel
Equipped with hose 18 with a length of 30 meters and automatic winding. It provides a pressure of 7 bar. A high-pressure hose reel with 180 bar pressure at 15 liters per minute is available as an option.



Spray bars
Three bars for even spreading of solution or water. Each made with nozzles of variable number and flow rate for optimum coverage. Entire system made of AISI 304 stainless steel.



Front spray bars (optional)
Placed in the front of the vehicle also available with electric spray height adjustment directly in the cab