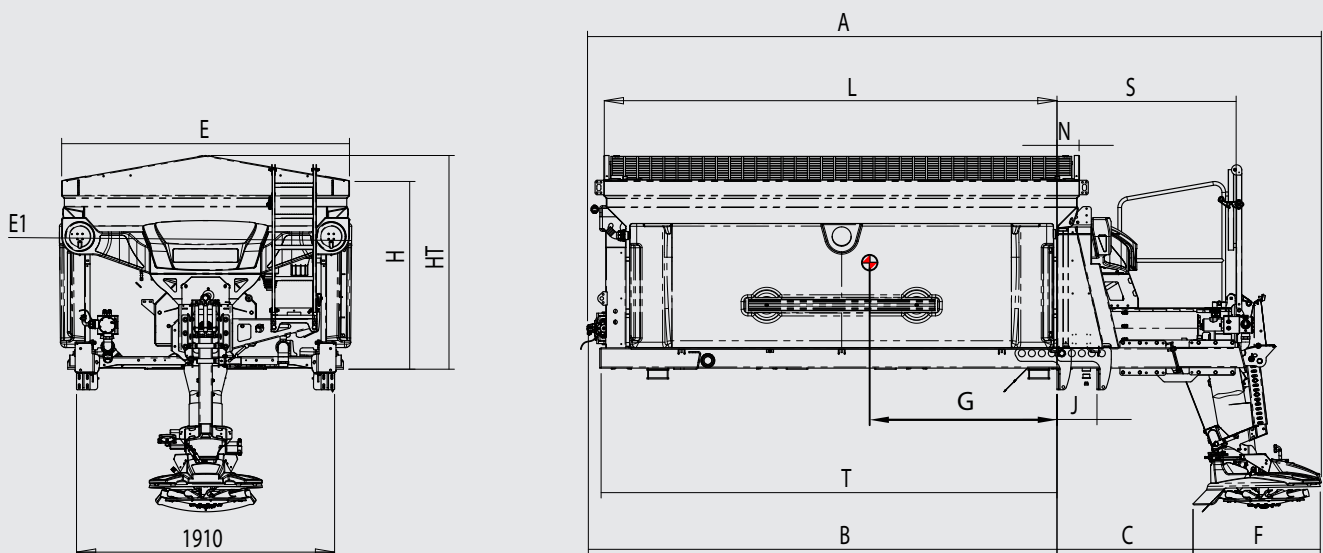


# Bucher Icebear V



## Key Features



### Hydraulic drive

Driven by the vehicle's hydraulic system and compliant with the EN15431 European standard.



### Auxiliary motor drive

Driven by 14.8 kW diesel engine, liquid cooled with electric starter.



### Open auger extraction

With coils of variable diameter and stainless steel terminals. Allows some material to pass through the auger by reducing the torque required for transport

# Bucher Icebear V

## Technical data -hydraulically-operated Bucher Icebear V

		VP340	VP350	VP360	VP370	VP450	VP460	VP470	VP490	
B	Min. loading length (recommended +250 mm)	3645	3645	3645	3645	4070	4070	4070	4070	mm
A	Total length	4890	4890	4890	4890	5570	5570	5570	5570	mm
J	Hopper-stop adjustment from hopper head	0-250	0-250	0-250	0-250	0-250	0-250	0-250	0-250	mm
E	Hopper width	2100	2100	2100	2100	2100	2100	2100	2100	mm
E1	Tank width	2130	2130	2130	2130	2130	2130	2130	2130	mm
H	Hopper height	1300	1400	1530	1690	1300	1400	1530	1690	mm
HT	Roof height	1500	1600	1730	1890	1500	1600	1730	1890	mm
	Solid material capacity	4	5	6	7	5	6	7	9	m <sup>3</sup>
	Solution tank capacity	2640	2640	2640	2640	3200	3200	3200	3200	l
	Auger diameter	200	200	200	200	200	200	200	200	mm
G1	No-load centre of gravity	1410	1450	1490	1530	1750	1790	1830	1870	mm
G2	Loaded centre of gravity	1580	1585	1590	1595	1920	1930	1935	1940	mm
	No-load spreader weight	1300	1320	1360	1400	1440	1470	1510	1560	kg
	OPT U1 humidifier weight	210	210	210	210	230	230	230	230	kg

Technical data and images are indicative and not binding.

### Technical notes for mounting on vehicles

- For hydraulically operated spreaders, the vehicle must be equipped with a hydraulic system capable of continuously supplying at least 45 l/min
- 200 bar.

- Tachometric signal available in the cab for tachometric dependence dosing.
- 24V power socket available in the cab for control panel power supply.

### Reference technical standards:

- DIRECTIVE 2006/42/CE (CE MARK)
- UNI EN 13021



### Bucher ASSIST

Assist offers the chance to implement convenient, flexible and efficient winter services thanks to its innovative tools for a reliable service and for the driver. ASSIST reduces the operator's workload and collaboration between man and machine allows the operator to comply with operational procedures and improve the quality of the winter road maintenance.



### Online management

Using an Internet connection; all the tools used to manage the winter services are available via a single web portal. Real-time weather analysis and telemetric and road morphology studies provide the service manager with all the data needed to create a precise winter maintenance programme and ensure that the precise planned procedure is performed

## Technical data - auxiliary motor operated Bucher Icebear V

		VP340	VP350	VP360	VP370	VP450	VP460	VP470	VP490	
B	Min. loading length (recommended +250 mm)	4500	4500	4500	4500	4925	4925	4925	4925	mm
A	Total length	5745	5745	5745	5745	6425	6425	6425	6425	mm
J	Hopper-stop adjustment from hopper head	0-250	0-250	0-250	0-250	0-250	0-250	0-250	0-250	mm
E	Hopper width	2100	2100	2100	2100	2100	2100	2100	2100	mm
E1	Tank width	2130	2130	2130	2130	2130	2130	2130	2130	mm
H	Hopper height	1300	1400	1530	1690	1300	1400	1530	1690	mm
HT	Roof height	1500	1600	1730	1890	1500	1600	1730	1890	mm
	Solid material capacity	4	5	6	7	5	6	7	9	m <sup>3</sup>
	Solution tank capacity	2640	2640	2640	2640	3200	3200	3200	3200	l
	Auger diameter	200	200	200	200	200	200	200	200	mm
	Auxiliary motor work powers	14,8	14,8	14,8	14,8	14,8	14,8	14,8	14,8	kW
	Maximum auxiliary engine power	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,3	kW
	Maximum auxiliary engine torque	48	48	48	48	48	48	48	48	Nm
	Auxiliary diesel engine tank capacity	45	45	45	45	45	45	45	45	l
	Auxiliary engine oil tank capacity	86	86	86	86	86	86	86	86	l
G1	No-load centre of gravity	1.460	1.500	1.540	1.580	1.800	1.840	1.880	2.020	mm
G2	Loaded centre of gravity	1.760	1.730	1.700	1.685	2.065	2.050	2.030	2.010	mm
	No-load spreader weight	1.630	1.650	1.690	1.730	1.770	1.800	1.840	1.890	kg
	OPT U1 humidifier weight	210	210	210	210	230	230	230	230	kg

Technical data and images are indicative and not binding.



### Automated spreading

Operators are assisted by an automated system that independently adjusts each spreading parameter. The on-board unit includes a GPS system to assist the operator with visual and vocal messages. All this ensures savings in antifreeze products and better road treatment



### Cloud connection

The cloud connection can be used to send and collect data in real time both for the on-board unit and the Web portal; this enables features such as real-time monitoring, mission modification or remote data analysis. It also allows provides info about the state of health of the vehicles and thereby helps plan maintenance work.

### Auger extraction system

Extraction with "open" auger in high carbon steel with variable pitch coils having an outer diameter of 200mm. It ensures constant feeding and uniform discharging of the material from the hopper with excellent spreading precision.

### Auger gearbox

The auger is driven by a hydraulic motor flanged on a fixed ratio gearbox in the front part of the equipment, protected against the highly saline environment in the rear part of the vehicle.

### New Premium spreading unit

All metal parts are in stainless steel; the conveyor are in polyethylene. 660 mm diameter disk in stainless steel for spreading width up to 12 m. A sensor detects the position of the spreading group and interrupts the hydraulic supply to the disc if the unit is tipped over while the disc is still moving to protect the operator. Asymmetry is adjusted electrically in 0.5 m steps.

### Spreading data

Spreading width	2÷12 m
Salt spreading dosing	5÷40 g/m <sup>2</sup>
Sand spreading dosing	10÷350 g/m <sup>2</sup>
Work speed	5÷60 km/h
OPT % humification	0 ÷ 300 100%

### Hopper

In extra-thick high strength steel (or stainless steel on request) to avoid deformations arising from the large quantities of loaded material. Continuous welding is performed by robots and the hopper structure is entirely forged without the hopper inserts being bolted during assembly.

### Paintwork

Metal structural components are painted in several stages: SA 2.5 shot blasting; powder primer with 30% galvanized epoxy resin; polyester powder painting, cured at 200 °C. The 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 more than 2000h exposed to salt spray.

### Weight transfer plate

Triangular structure in stainless steel. It avoids excessive weight affecting the extraction system.

### Grid

Lightweight and stainless screening grilles in GFK (fibre glass) prevent oversized material entering the hopper.

### Optional main weight

OPT P3 tipper demounting weight	170 kg
15 T OPT P3 tipper demounting weight with max. capacity	390 kg

### Optional

- Wetting device
- Two-speed auger gearbox
- Sensors
- Folding rear ladder
- Different types of demounting system
- Handrails on left, right or both sides
- Longitudinal crusher roller
- Closed auger
- Safety signs

### Bucher Municipal



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

[buchermunicipal.com](http://buchermunicipal.com)

Driven by better

