

Calculation of capacity, weight and centre of gravity for Sirius AST

Order No.

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Chosen:

- Sprog/Sprache/Language 3 ▲▼ English
- Spreader type 2 ▲▼ SH spreader
- Hopper size 6 ▲▼ 6 m3 Large
- Hopper length 1 ▲▼ Standard long spreader
- Protective grate 0 ▲▼ Flat grate
- Cover 1 ▲▼ Foldable cover
- Prewetting 1 ▲▼ Only side tanks
- Spoiler 0 ▲▼ No spoiler
- Off-loading system 1 ▲▼ None
- Slanting rear legs 1 ▲▼ Rear legs included in calculations
- Side support 0 ▲▼ No side support
- Density, dry material [kg/dm3] ▲▼ 0.95 kg/dm3 (Salt typically 1,20 kg/dm3, Sand typically 1,50kg/dm3)
- Density, liquid [kg/l] ▲▼ 1.28 kg/l (NaCl typically 1,18kg/l)

The drawing below does only show correct spreader type and prewetting tanks.

Capacity	Solid material	6 m3	5700 kg	Max. prewetting 30%
	Liquid	3180 l	4070 kg	
Weight	Empty	Only with solid mat.	Only with liquid	Totally filled with solid mat. and liquid
	2274 kg	7974 kg	6344 kg	12044 kg
Centre of gravity above truck bed, filled [mm]			610	
Distance from rear stop to center of gravity, 50 filled			2416	
L1 [mm]			L10 [mm]	
L4 [mm]			L9 [mm]	
L5 [mm]			2,528	
H3 [mm]			1,836	
H4 [mm]				
Load on off-loading system, filled spreader:		Spreader Max.	12044 kg	

