



BAUER

FOR A GREEN WORLD



BOOM CART AS 50 / AS 32

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Easy to handle – economical – gentle to the plant

Irrigation with the boom carts grants particularly fine precipitation protecting the plants and the soil. As low as 2.6 bar connecting pressure are sufficient for the operation, which saves both energy and water.

The boom cart AS 50 fits exactly the **RAINSTAR E** models and grants gentle uniform rain for strip widths of up to 72 m.

The boom cart consisting of high-quality steel and aluminum parts excels by its high stability despite its light-weight construction. Balancing weights keep the pendulous boom construction always parallel to the soil. A continuous, hydraulic height adjustment from 1.3 to 2.3 m (AS 50) allows irrigating also higher crops.

The AS 32 is especially constructed for the use with **RAINSTAR T** models and irrigates strip widths up to 50 m.

Compact transport unit, easy handling

For transport purposes the collapsible boom elements of the AS 50 or AS 32 are loaded on the **RAINSTAR**. One person can fold up and unfold the carts in a few minutes.

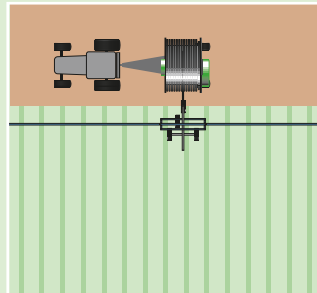


- Simple single-operator technique
- Optimum rain quality
- Uniform distribution
- Minimum vaporation loss
- Low sensitivity to wind
- Energy saving
- Fits on existing in-field machines
- Forms a compact unit in the field and on the road



No soil compaction

Large droplets have a tremendous impact on the surface. Boom carts avoid this effect. Finest droplets prevent compaction of the soil surface. Topsoil and pore structure are preserved and the soil is treated with care.



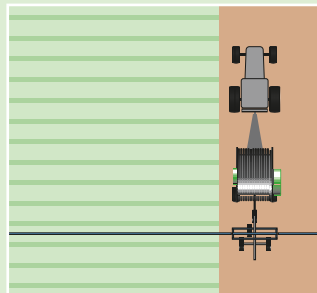
Lateral field transport, parallel to the driving direction

At the end of the irrigated strip the cart is simply hoisted with the machine's hydraulic system and the **RAINSTAR** is ready for transport right away with the boom unfolded. Without any boom adjustments the assembly is positioned on the next strip in no time.



Spray nozzles

Nozzle pressure from as low as 0.8 bar is already sufficient for particularly fine and gentle precipitation that protects the plants and the soil equally. Considerably lower pressure requirement (savings up to 4 bar), uniform distribution, and low sensitivity to wind are further advantages of this type of equipment.



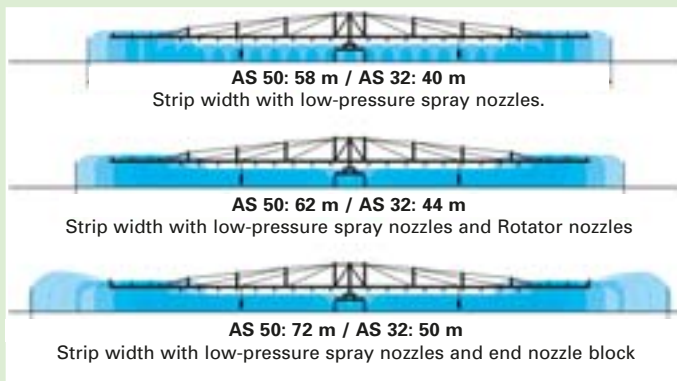
Rear field transport – across the driving direction

The unfolded boom can be lifted by the hydraulics and transported to the next setting-up position also across the driving direction. This method is particularly time saving if the PE-pipe is laid down.



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and to the soil

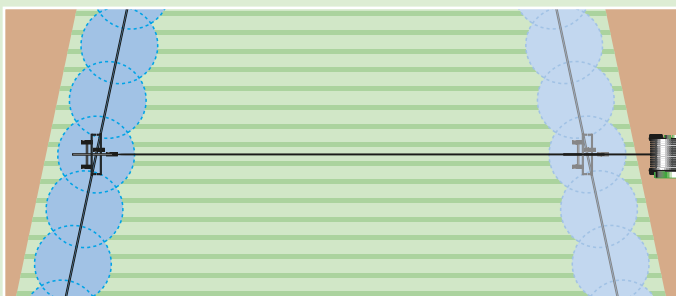


360° swivel assembly of AS 50

For precise adaption of the system to irregular fields. The roads running along the borders of slanting fields are not obstructed by projecting boom arms.

The swivel equipment allows to avoid trees, poles etc. within an irrigated strip.

A very important option for many cropping areas.



Level adjustment

Balancing weights hold the pendulous boom construction at a fixed distance from the ground all the time.

No matter if the undercarriage is running on uneven ground or on a slope. This avoids damage to the crop.

Accessories for AS 50



Asymmetric 4-wheel cart

Suited particularly for gentle irrigation of potatoes and bed crops. The pipe is pulled back in the tracks of the boom cart without damaging adjoining plant rows. A solid bracket and guide wheel assembly ensures highest tracking stability. This 4-wheel trolley keeps track also on heavy soils.



Hydraulic height adjustment

Vertical adjustment from 1.5 to 2.5 m allows irrigating also higher crops with the boom cart. Height adjustment is achieved by means of a special telescopic centre piece. When pulling off the PE-pipe the tractor can simply pass underneath the boom arms without damaging the crop and a lot of valuable time is saved in addition.



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Technical data

Boom cart AS 50 with RAINSTAR E-series					
Basic model	Unit type	Boom cart 3-wheel 4-wheel	Capacity m ³ /h	Minimum con. pressure in bar for strip width 58 m 72 m	
E 11	90 - 480	4	20 - 52	2.8	4.2
	100 - 350	3	20 - 75	2.5	3.4
	100 - 380	3	21 - 75	2.5	3.4
	100 - 400	4	21 - 72	2.5	3.5
	110 - 300	4	21 - 80	2.3	3.3
	110 - 330	4	21 - 80	2.3	3.4
E 21	100 - 430	3	21 - 70	2.6	3.6
	100 - 450	4	21 - 70	2.6	3.6
	110 - 350	4	21 - 85	2.3	3.4
	110 - 380	3	21 - 85	2.4	3.4
	110 - 400	3	25 - 82	2.5	3.6
	110 - 420	4	25 - 82	2.6	3.6
	120 - 300	4	25 - 90	2.3	3.3
E 31	100 - 480	3	22 - 70	2.6	3.8
	100 - 500	3	22 - 68	2.6	3.9
	100 - 520	4	22 - 65	2.7	3.9
	110 - 450	3	25 - 80	2.6	3.7
	110 - 470	3	25 - 80	2.6	3.8
	110 - 490	4	25 - 75	2.6	3.5
	125 - 310	3	25 - 90	2.3	3.3
	125 - 350	4	25 - 90	2.3	3.3
E 41	100 - 550	3	22 - 65	2.8	4.0
	100 - 590	4	22 - 60	3.0	4.2
	110 - 500	3	25 - 72	2.6	3.8
	110 - 520	3	25 - 72	2.8	4.0
	110 - 550	4	25 - 72	3.0	4.1
	120 - 420	4	25 - 90	2.4	3.5
	120 - 450	3	25 - 90	2.5	3.6
	125 - 370	3	25 - 90	2.4	2.5
	125 - 400	4	25 - 90	2.5	3.6
	110 - 590	4	25 - 70	3.0	4.2
E 41*	110 - 620	3	25 - 70	3.2	4.3
	110 - 650	3	25 - 68	3.4	4.5
	120 - 530	4	25 - 80	2.7	3.8
	120 - 550	4	25 - 80	2.8	3.9
	125 - 450	3	25 - 85	2.8	3.8
	125 - 500	4	25 - 85	3.0	4.0

*) AS 50 boom cart requires tandem design on basic unit E 51!
Detailed performance charts for precise system layout are available for all Rainstar models!
Smaller strip widths can be reached by detaching the end tubes and changing the nozzle configuration!

Boom cart AS 32 with RAINSTAR T-series				
Basic model	Unit type	Capacity m ³ /h	Minimum con. pressure in bar for strip width 40 m 50 m	
T 31	65 - 270	13 - 28	3.2	5.8
	65 - 300	13 - 28	3.3	6.2
	65 - 340	13 - 28	3.4	6.6
	75 - 250	14 - 48	2.9	4.2
	75 - 270	14 - 45	3.0	4.4
	75 - 300	14 - 45	3.0	4.5
	85 - 190	14 - 48	1.8	3.5
	75 - 330	14 - 42	3.0	4.7
T 41	75 - 350	14 - 42	3.1	4.8
	85 - 270	14 - 48	2.0	3.7
	85 - 300	14 - 48	2.0	3.8
	85 - 320	14 - 48	2.0	3.8
	90 - 250	14 - 52	2.2	3.5
	90 - 270	14 - 52	2.3	3.5
	90 - 300	14 - 52	2.3	3.6
	75 - 400	14 - 38	3.2	5.3
	75 - 420	14 - 35	3.3	5.5
	T 51	85 - 350	14 - 48	2.1
85 - 370		14 - 48	2.1	4.1
90 - 330		14 - 50	2.4	3.7
90 - 350		14 - 50	2.4	3.7
85 - 400		14 - 48	2.2	4.3
85 - 450		14 - 48	2.3	4.7
T 61	90 - 370	14 - 50	2.4	3.9
	90 - 390	14 - 50	2.5	4.0
	90 - 420	14 - 48	2.6	4.2
	90 - 450	14 - 48	2.7	4.3
	100 - 300	15 - 60	2.3	3.4
	100 - 330	15 - 60	2.4	3.5
	100 - 350	15 - 60	2.5	3.6

Irrigated strip width	Spray nozzles	Minimum capacity
58 and 40 m	Senninger 360° Low-pressure spray nozzles	acc. to chart
72 m	Senninger 360° nozzles	28.0 m ³ /h
50 m	Pressure reducing valves and end nozzle block	22.0 m ³ /h

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