



Cross Beet Harvester Range



Cross Agricultural Engineering – “It’s the Obvious Choice”

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The Beaver HD Super is based on the original Armer Salmon Beet harvester which has been used successfully around Europe for over 30 years. The Armer Range is now being sold under the Cross name. This proven design along with Cross Engineering's build quality makes this the obvious choice on the market today for trailed beet harvesting

The Beaver - HD Super 2 row beet harvester is a compact, cost-effective single operator machine. Unlike other types of harvesters, the Beaver picks the beet by the root, not the bulb, which means the stones are left in the field. This saves time picking them out and means no stones in the diet feeder. All drives are hydrostatic which requires practically no in season maintenance. Speeds are infinitely variable to suit all operating conditions. This means this machine is suitable to all ground types and working conditions.

Low tare and low losses can be achieved with this machine. In the right conditions it can rival conventional type harvesters. The low losses and tare are achieved by the automatic row finder sensors and cleaning carousel respectively. The row finder sensors keep the coulters in line even if the driver is slightly off, making the machine easier to operate. The cleaning carousel swings the beet 180 degrees to the hopper elevator and in doing so knocks off a lot of the soil that's stuck to the beet.

The harvester has 3 wheels to try and decrease ground compaction and damage. The wheels do not follow the tractor wheels when the machine is folded out, so they are on fresh ground. The machine folds in behind the tractor for road transport.

The 3500kg hopper allows for good harvesting time before unloading. The hopper tips the beet into the trailer and can raise up to 3 metres to clear the trailer sideboard. This gives flexibility regarding the type of trailer used. With this hopper setup this machine can harvest 1 acre per hour.



Lifting the Beet

Tough coulters discs, automatic row finder sensors and hardened plough shares reduce losses in the field and makes high outputs attainable. This machine also has a hydraulic breakaway plough.

Rotary leveling guides and quick adjustable crowning discs combine to ensure accurate crowning of every root.



New Carousels

The cleaning carousel is adjustable to suit all conditions. This means the dirt will be left in the field, reducing tare and washing costs.

Unloading

The 3500kg hopper can be raised up to 3 metres to clear the trailer sideboard. It is quick, easy and won't slow the harvester down in a heavy crop.



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Wheels	3 wheels	Length	6.60 meters
RH	12.4 x 24 tandem	Width	3.20 meters
LH	600 x 22.5	Height	3.20 meters
Cleaning Carousels	Two 1170 mm dia x 36 spokes	Weight	4200 kg
Hopper	3500kg. Max tipping height is 3 meters	Power Requirements	140hp
Variable Speed	Belt and elevator speed	Output	1 acre per hour

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