

SELF PROPELLED GREEN BEAN HARVESTER



GB7133

GREEN BEAN AND SOYA HARVESTER

PMC works closely with processors, growers and machine operators to produce harvesters which maximise performance and delivers a high quality product.

The GB7133 incorporates new design features for improved performance and reduced maintenance.

- » Articulated frame for easier manoeuvrability.
- » Variable discharge height high capacity hopper.
- » Front wheel crab steering, maximises clearance between wheels and crop.
- » Claas Vista cabin gives excellent all round visibility and operator comfort.
- » Two camera CCTV camera system for harvest monitoring.
- » HVSt for in cab monitoring and control of key harvesting functions.

Principle of operation

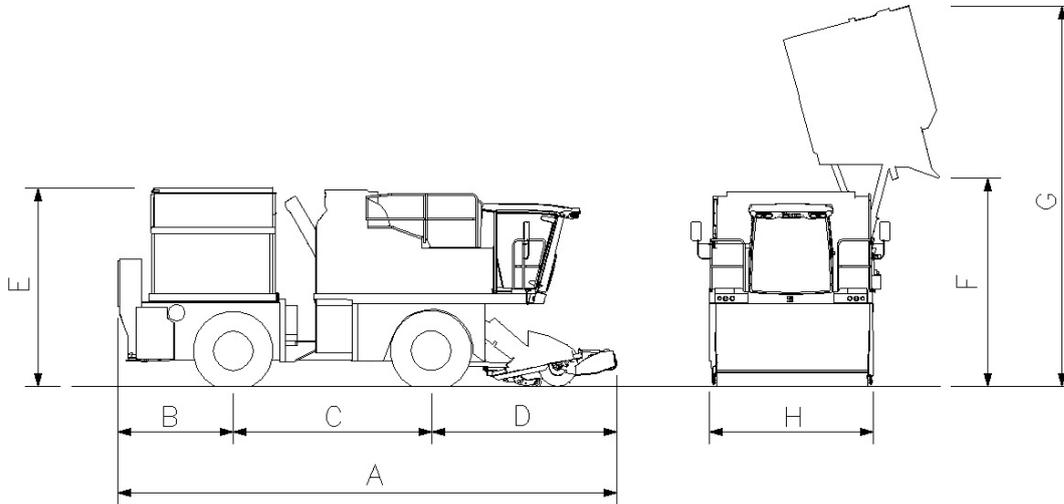


Brushes and rollers, at the front of the picking head present the bean plants head first to the rotating Picking Reel (2). The tines of the Picking Reel then strip the beans and some leaves from the plant and throw them on to the full width Main Feed Elevator (3).

As the crop moves up the Feed Elevator it passes under the rotating Plant Extractor Reel (4). The steel tines of the Plant Extractor Reel move through the crop and remove plant stalks and beans that are in clusters. These are then placed on the Plant Extractor Conveyor (5), which moves the waste material to the left of the vehicle and

deposits back in the field. From the top of the Main Feed Elevator the crop is conveyed onto the Transfer Elevator (6). The crop then falls from the top of the Transfer Elevator onto the two Cross Conveyors (7). As the crop is falling from the Transfer Elevator it passes through an air stream created by the two Blower Fans (8) and the four Extractor Fans (9). The powerful airflow separates any remaining waste from the beans and deposits it back on the field via the air ducts (10) on the rear corners of the front chassis section. An additional pinned decluster belt in the rear of the cleaning chamber lifts clusters to within reach of the four extractor fans. The cleaned crop then drops onto the two Cross Conveyors and is then transferred to the central Hopper Elevator (11). The Hopper Elevator transports the beans to the Hopper (12) that is located on the rear chassis section. The Hopper is equipped with either a moving floor (13) or moving bars to control the unloading of the beans.

Machine Specification



Side & Front elevation of machine

Main dimensions		
Length	A	9900
Overhang	B	2250
Wheel centres	C	4000
Overhang front	D	3650
Height	E	3950
Discharge height		
maximum	F	4200
minimum		3800
Height (max)	G	7500
Width	H	3500

Weights (on the road)	kgs
Front axle	8620
Rear axle	7480
Total (approx)	16100

Fluid capacities	litres
Fuel	650
Hydraulic oil	400

Hopper Capacity	
Volume	14.4m ³
Weight of beans (approx)	4000-5000kg

Tyres	
Alliance	750/65R26
Static loaded radius	0.700 m
Rolling circumference	4.750 m
Pressure	1.6 bar
Inflation Pressure:	2.2 bar

Engine	
Make	John Deere
Type	6068HFC09
Power rating	209 kW (DIN3046)
Capacity	6.8 litres

Transmission	
Type	Hydrostatic
Pump	Danfoss 130 cc/rev
Motors (front)	Poclair MSE18
Motors (rear) 6WD	Poclair MSE18
Motor displacement	2106/700cc

Vehicle speeds	
Road	25 kph
Field	9.8 kph

Close Up



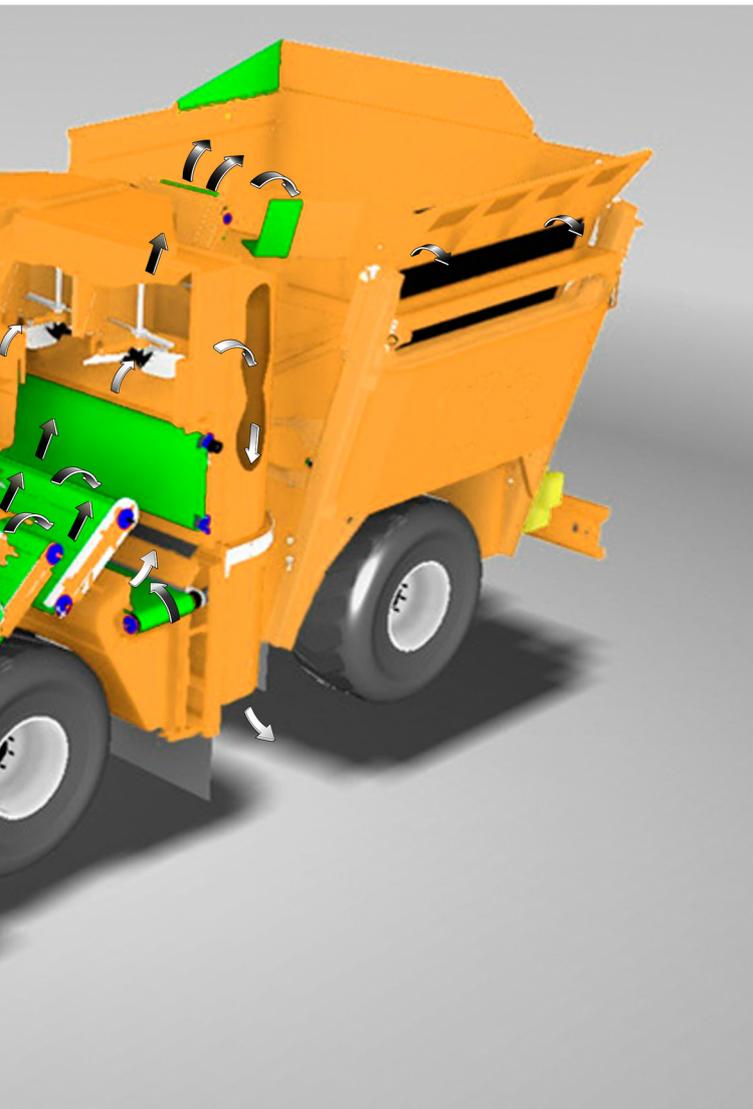
The Claas vista cabin allows excellent all round visibility and comfort.

The HVSt system continually monitors machine performance and controls important functions enabling efficient performance in all conditions.



Plants are presented to the rubber mounted picking tines by the plant aligning brushes. An optional plant aligning belt is available to replace the brushes.





The high capacity hopper has variable discharge height. Beans are discharged from the hopper by the plastic interlocking conveyor for gentle unloading.



The articulated frame enables the machine to operate in areas of limited access and minimises unharvested crop as the rear wheels follow the path of the front wheels.

The crab steering feature on the front wheels maximises clearance between the wheels and the unharvested crop in adverse conditions.

PMC Harvesters Ltd has been producing vegetable harvesters in Fakenham, Norfolk for over forty years.

We have a highly loyal and experienced team of employees dedicated to providing our customers the very best in harvesting technology. Our in-house design team alone has over 40 years combined experience.

Working closely with growers and processors our harvesters have been developed to increasing levels of capacity, reliability and efficiency, delivering a high quality end product as economically as possible.

PMC's products are supported worldwide either directly from the Fakenham factory or via our distributor network. Our pre-and after-sales services include operator training; specialist technical support; 24/7 in-season service; out-of-season maintenance and spare parts sales. All of this combines to ensure our customers obtain the best value and performance from their PMC harvester.



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