

# ***SELF PROPELLED PEA HARVESTER***



**1089**

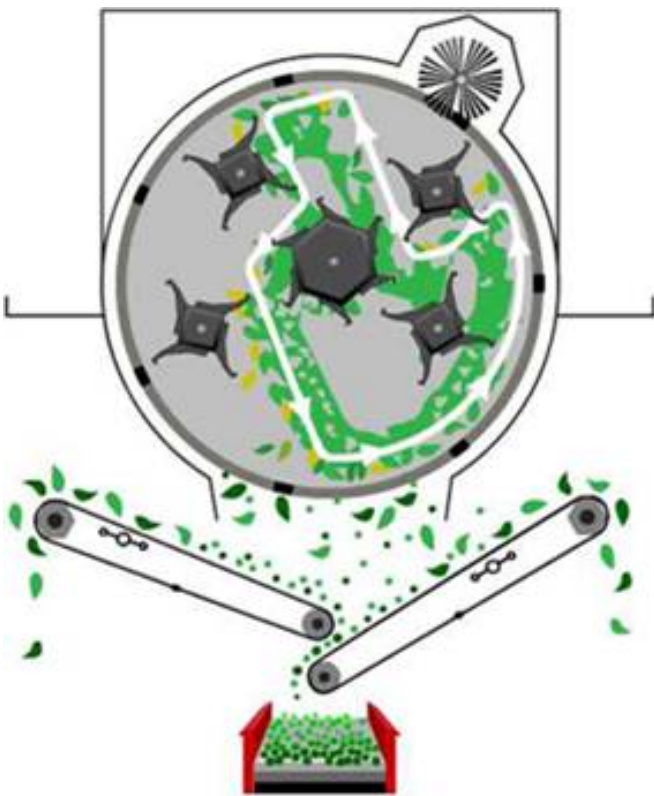
***PEA AND BROAD BEAN HARVESTER***

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

The 1089 incorporates new design features for improved performance and reduced maintenance.

- » Four wheel steering for easier manoeuvrability
- » Variable discharge height high capacity hopper.
- » Unique five beater threshing system.
- » Claas Vista cabin gives excellent all round visibility and operator comfort.
- » Four camera CCTV camera system for harvest monitoring.
- » HVSt for in cab monitoring and control of key harvesting functions.

### *Principle of operation*



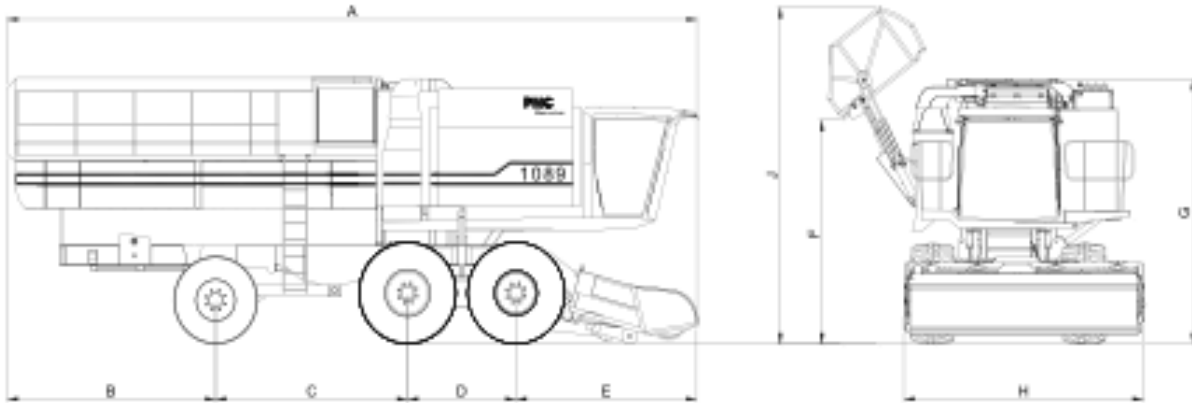
The unique five beater threshing system consistently delivers high production rates. It is gentle in operation, minimising damage, especially on low TR, high quality freezing peas.

Once the pods have been stripped from the vine they are transferred to the threshing drum by a series of conveyors. Here the PMC threshing system quickly and gently removes the peas from the pods. Because there is a large, clear area of screens on the threshing drum the peas can quickly pass through them, which minimises damage to the peas at this crucial stage of the process. Tests show that in low TR crops the system is the best available and it works equally as well in all other conditions. The screens are kept clean by rotating brushes positioned along the length of the threshing drum.

The peas and some waste material exits the threshing drum and then goes through four further cleaning processes where the waste material is removed. After the final cleaning process the peas are stored in the hopper on the machine. Waste material from the cleaning processes is discharged onto the field whilst any un-threshed pods are returned into the threshing system.

The result – **maximum yield of good whole peas**

## Machine Specification



### Main dimensions

Length	A	12035
Overhang	B	3555
Wheel centres	C	3205
Wheel centres	D	1810
Overhang front	E	3465
Discharge height	F	2960 to 3410
Height (level)	G	4150
Height (road, rear m/c down)	G	4000
Height	J	5395
Width	H	3500/3800/4000
Width outside tyres		3250

### Weights (on the road) kgs

Front axle	8150
Centre axle	8150
Rear axle	11020
Total (approx)	27320

### Weights (on the field) kgs

Front axle	8740
Centre axle	8740
Rear axle	9840

### Fluid capacities litres

Fuel	1000
Hydraulic oil	600

### Hopper Capacity

Volume	3.4 m <sup>3</sup>
Weight of peas	2250 kg (approx.)

### Tyres

Front Bogie;	
Trelleborg	710/60 R30
Inflation Pressure:	1.8 bar
Rear Axle	
BKT	710/50 R26.5
Inflation Pressure:	2.2 bar

### Engine

Make	Scania
Type	DC13 077A
Power rating	325kW @ 1450RPM
Capacity	12.7 litres

### Transmission

Type	Hydrostatic
Pump	S-D H1P 165
Motors (front)	Poclairn S18
Motor displacement	1865/816cc
Motors (rear) 6WD	Poclairn S18
Motor displacement	1572/523cc
Motor (front) TRKS	Danfoss S51
Motor displacement	160cc
Motors (rear) TRKS	Poclairn S18
Motor displacement	1501/545cc

### Vehicle speeds

Road	25 kph
Field	9 kph

### Levelling

Front to rear	14% (8.0°)
Side to side	18% (10.2°)



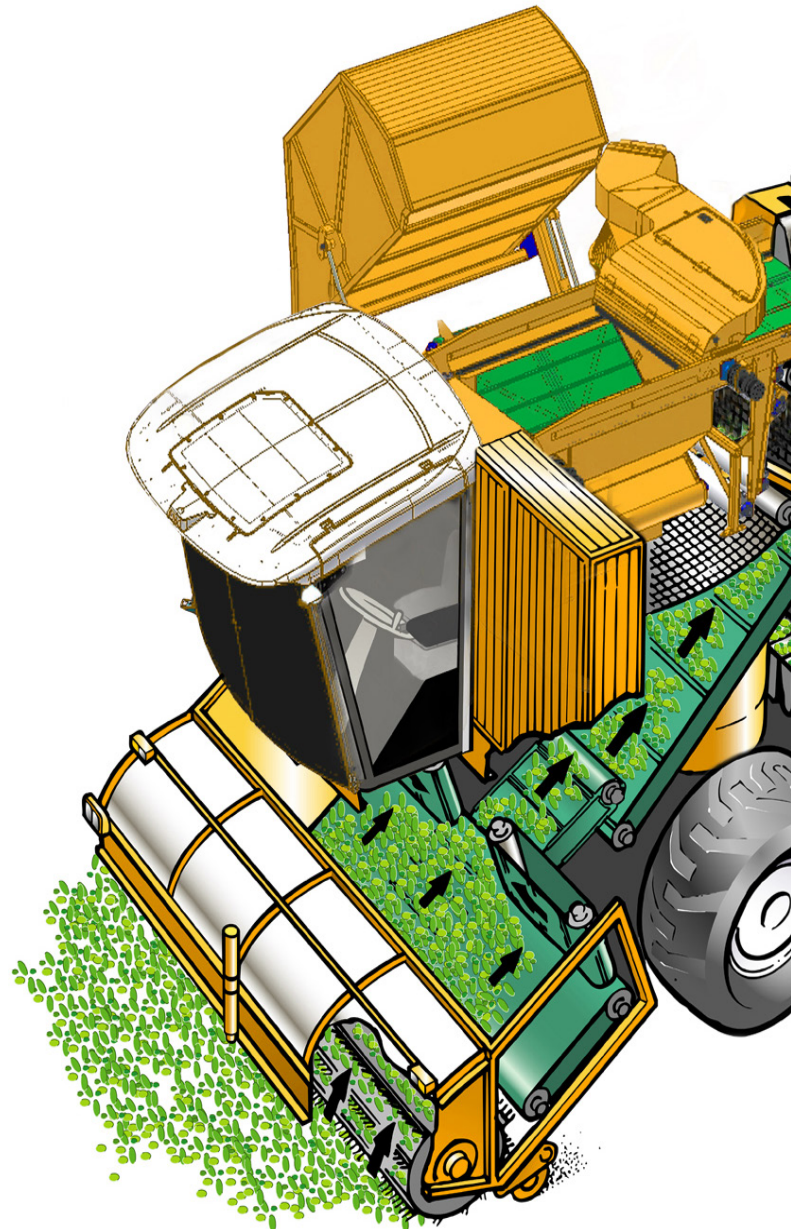


The tipping height of the large capacity pea hopper is variable from 2.9 to 3.4 metres making the 1089 easy to use with a wide range of trailers or high-sided containers.



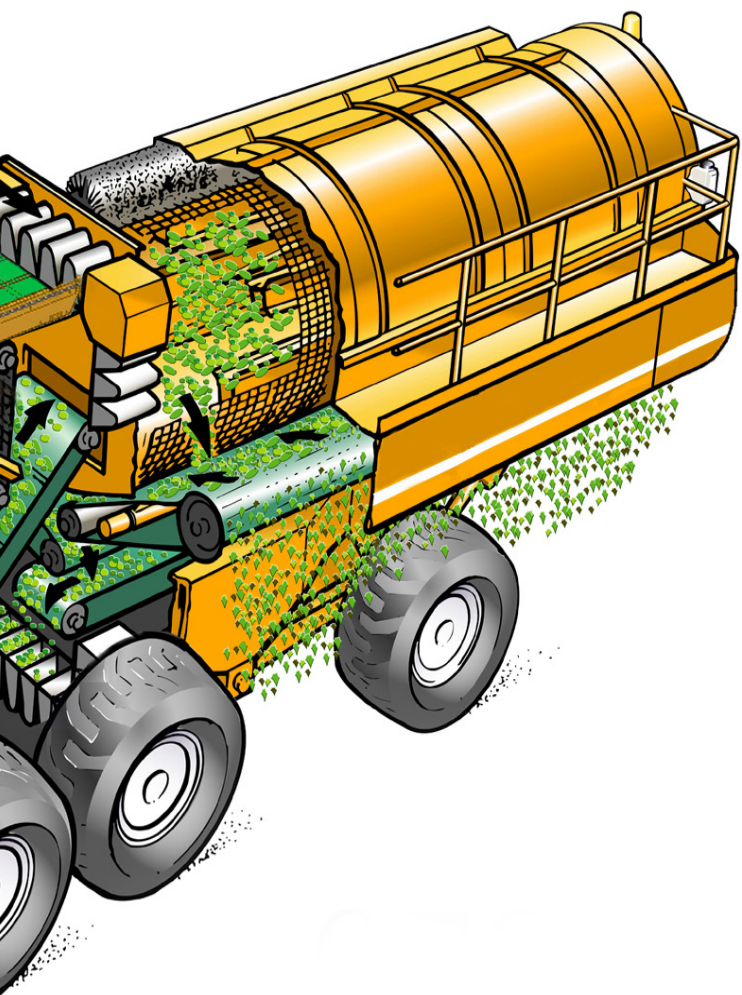
The Claas vista cabin allows excellent all round visibility and comfort.

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



Available in 3.3, 3.6 and 3.8 metre picking widths.





The 1089 utilises the latest design of Podder Chain. The stainless steel link-wire belt has outstanding reliability and requires only a minimal amount of maintenance.



The four wheel steering makes the 1089 very manoeuvrable, increasing in field efficiency and reducing overall field damage.

The Claas TerraTrac™, with inbuilt suspension, is available as an option for harvesting in the most extreme 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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