



**SAMPO ROSENLEW**

[www.sampo-rosenlew.fi](http://www.sampo-rosenlew.fi)



# **SAMPO ROSENLEW 2045**

**ALL ROUNDER**



Sampo Rosenlew Ltd is a family owned company. The company's main products are combine harvesters and forest harvesters.

Sampo Rosenlew Ltd was set up in 1991 through a management buy-out. Business operations were first started on the present premises in 1853 by Oy W. Rosenlew Ab, a family business. Business started by shipping timber, and then gradually diversified into agricultural machinery. Combine harvester was launched in 1957. It gradually became the most successful product in the product range. During its long history Sampo-Rosenlew has become familiar with demanding threshing conditions and farmers' needs all over the world.



## 2045 –ALL ROUNDER

The 2045 has served farmers' needs indefatigably for more than a two decades. The range has been sold throughout the world to thresh the most exotic species of plants. The feedback received from round the world has helped us develop our combines more versatile and reliable than ever. A host of appreciated properties are combined in this combine harvester – a wide cutting table and threshing unit, a good selection of different engines and a large grain tank.

The superb technology of the SR2045 is based on a wide threshing unit, the heavy-duty bolt cylinder with 8 rasp bars and four straw walkers. The combine has a large 3,300-litre grain tank to enable long unloading intervals to increase valuable threshing time. The source of power is either a 122-hp 4 cylinder or 150-hp, 6 cylinder engine. The transmission is mechanical or hydrostatic driven.





### CUTTING HEADER

There are several table widths ranging from 3.1 to 5.1 metres. The table width can be chosen depending on threshing speed or field sizes. Dealers can be consulted about the right width to suit your particular needs.

A table auger with a large diameter feeds the grain efficiently into the combine. The work is facilitated by robust feed fingers throughout the whole width of the table on tables 3.9 metres wide and wider. Reel height is adjusted hydraulically, and reel speed electrically. The fore/aft adjustments is mechanically.

### SPECIAL CROPS

For harvesting special crops you need a different header fitting.

For corn a 4 row corn header can be fitted to the 2045 if needed. Also sunflower attachment are available or a sunflower header.

### CYLINDER AND CONCAVE

The 2045 model feature a cylinder with a diameter of 500 mm; a heavy-duty cylinder with eight rasp bars. The heavy-duty cylinder, originally designed to be used in maize fields, comes as standard on all models. The cylinder houses eight rasp bars bolted on cast-iron center plates. The cylinder is considerably heavy design, which means that load peaks are hardly noticeable.

A thin wired concave guarantees clean threshing in the most demanding conditions. The through holes of the piano wires are significantly larger in diameter than the wires, which mean that the wires can vibrate slightly all the time thus improving the concave capacity. When harvesting other crops such as maize or sunflower, a universal concave with robust wires is available.

### SEPARATION

The grain pan is equipped with four removable sections. They can be pulled out for cleaning with a special tool which comes with the combine.

SR2045 models have four straw walkers with four steps and closed bottoms. As option you can choose straw walkers with removable bottoms, for easy cleaning.

The 2045 come with an adjustable upper sieve. The sieve extension can be chosen to suit the conditions. A standard extension is supplied with every model. The alternatives to choose from include a slope extension and a rape extension.

The bottom sieve is of a round-hole-type. When placing an order for a combine, an adjustable type of bottom sieve may also be chosen.

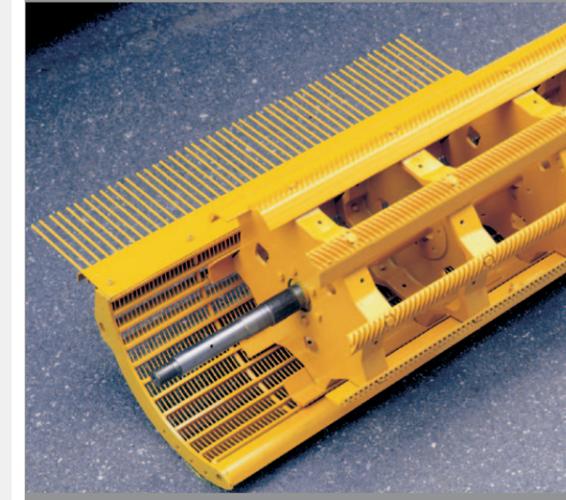
### GRAIN TANK

The combine can be equipped with different grain tank options to suit your needs. The height of the cover determines the tank capacity. Grain tank capacities are from 3,300 to 4,200 liters.

The bottom of the grain tank is of a W shape type on every model. This design with the filling auger located in the centre has proved extremely efficient in an even distribution of the grain in the tank.

The unloading pipe is sufficiently long. The unloading height is standard 3.3 meters or you can choose as an option 3.4 m or even 4 m high.

The SR2045 can be fitted even without a grain tank. The grain tank is replaced with a platform and with bagging equipment. A handy slide on the left hand side of the combine, slides down your bags of grain.





## ENGINE AND TRANSMISSION

SR2045 can be equipped with different engines. Depending on your countries emission controls the combine can be equipped with Tier0 or Tier3 engines. The power rate is from 4 cylinder 122 hp up to a 6 cylinder 185 hp.

Efficient suction located on the intake air mesh ensures that the large cooling cells are continuously supplied with fresh air. A rotating suction air screen is standard. A belt driven blowing impeller located outside the cooler supplies enough cooling air.

The combine can be equipped with mechanical or hydrostatic transmission. If the combine is equipped with hydrostatic transmission a 4-wd can be fitted as well. Different tire options are available also, depending of your harvesting conditions.

## CAB

Special attention has been paid to driver comfort in the design of the cab of the Sampo Rosenlew combines. Driving ergonomics and visibility are extremely good. The driver's seat has an optimum location to guarantee good visibility ahead as well as over the knife, the table auger and the table corners through the large windows. Each cab features a heater as standard.

SR2045 is equipped with a SR –standard cab. If the combine is equipped with mechanical transmission, there are four hydraulic levers independent of the model. On hydrostatic transmission models, you control the combine with a multi-purpose lever. The lever includes the header adjustments, lifting the header and reel up and down.

The SR2045 can be also equipped with a operators platform. The platform is equipped with a handy sun-canopy.

Technical specifications		2045
<b>CUTTING TABLE</b>		
Standard width	m	4,2
optional widths	m	3,1 - 5,1
Cutting height	m	- 0,20...+1,20
Knife speed	strokes/min	1020
Header reverse	type	mec. or elec.
<b>REEL</b>		
Diameter	m	1,05
Speed range	rpm	15...49
Speed adjustment		elec.
Electric fore/aft adjustment		mec. or elec.
<b>THRESHING CYLINDER</b>		
Width/diameter	m	1,11 / 0,50
HD -cylinder		std
Number of rasp bars		8
Rasp bar type		changeable
Speed range	rpm	600...1300 or 400...1150
Speed adjustment		mec. or elec.
<b>CONCAVE</b>		
Area	m <sup>2</sup>	0,51
Angle of wrap	°	105
Number of rasp bars		12
Steppless adj.range	mm	6...42
<b>STRAW WALKERS</b>		
Number		4 or 5
Total separation area	m <sup>2</sup>	4,80
<b>SHAKER SHOE</b>		
Top sieve	m <sup>2</sup>	1,74 + 0,33
Bottom sieve	m <sup>2</sup>	1,33
Total area	m <sup>2</sup>	3,40
Fan speed adjustment		mec. or elec.
<b>STRAW CHOPPER</b>		
Swinging knife type		option
<b>GRAIN TANK</b>		
Capacity	m <sup>3</sup>	3,30 - 4,20
optional capacity	m <sup>3</sup>	5,00
Discharge height	m	3,30 - 4,00

Technical specifications		2045
<b>ENGINE</b>		
Power	kW/hp	90/122
Optional power	kW/hp	110/150
Optional power	kW/hp	136/185
RPM/cylinder		2200/4T/6T
Dual air filter with ejector pre-cleaning		standard
Fuel tank capacity	l	200 or 350
<b>TRANSMISSION</b>		
Type		mec. or hydro
Speed range	1st gear	1,7...4,3
	2nd gear	3,8...9,5
	3th gear	9,8...24,8
Closed final drive		standard
<b>TIRES</b>		
Front		18.4 R 34
or		600/65R34
Rear		11.5-15
or		360/70R20
<b>CAB</b>		
		SR-Std
Seat model		std-model
Extra seat		std
Heater		std
Air conditioning		option
<b>WEIGHT</b>		
With standard header and chopper	kg	6 800
<b>DIMENSIONS</b>		
Lenght with std header w/o dividers	m	8,68
Transport height	m	3,65
Transport width with std header	m	4,60
Transport width w/o header with std tires	m	2,83
Clearance	m	0,43
<b>ACCESSORIES AND EQUIPMENT</b>		
Corn kit	Differential lock	Vertical knife
Rice kit	Straw collector	Stone arrestor
Sunflower attachment for header	Straw chopper	Air conditioning
4-WD	Rape extension	Grain loss monitor



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