

VERRATO V4



SAMPO ROSENLEW





Sampo-Rosenlew Ltd is a family business established in 1991. The company operates in several fields of business such as the manufacture of hydraulic components and forest harvesters. The manufacture of agricultural machinery and combine harvesters in the plant dates much further back.

The well-known Sampo combine harvesters have been manufactured in Pori since 1957. The continuous and innovative product development has resulted in the manufacture of nearly 50,000 Finnish combine harvesters. During its long history Sampo-Rosenlew has become familiar with demanding threshing conditions and farmers' needs all over the world.



VERRATO V4

Verrato's roots go deep in the dna of Sampo combines. 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 Verrato 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 3,700-litre grain tank to enable long unloading intervals to increase valuable threshing time. The source of power is a 150 hp 4 cylinder Tier4f or 185 hp 6 cylinder Tier3a Agco Power engine. Tier 3 a engine cannot be sold in EU or EPA emission territories. The transmission is hydrostatic driven.





CUTTING HEADER

There are several table widths ranging from 3.1 to 4.5 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 Verrato 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.

Verrato model have four straw walkers with four steps. The straw walkers are with removable bottoms, for easy cleaning.

The Verrato 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.

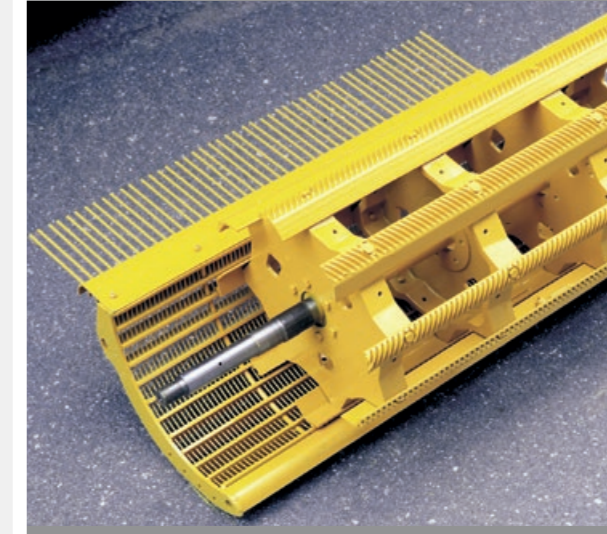
The bottom sieve is of a round-hole-type. When placing an order for a combine, an adjustable type of bottom sieve may also be chosen.

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. The smallest tank capacity is 3,300, the next size is 3,700 and the largest 4,200 litres.

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 3.4 meters or you can choose as an option 4 m high.





ENGINE AND TRANSMISSION

Verrato is equipped with efficient Agco Power engines. Depending on your countries emission controls the combine can be equipped with Tier3 or Tier4f engines. The power rate is from a 4 cylinder 150 hp up to a 6 cylinder 185 hp engine.

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 is equipped with hydrostatic transmission. When 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.

Verrato is equipped with a SR –standard cab. With hydrostatic transmission model, you control the combine with a multi-purpose lever. The lever includes the header adjustments, lifting the header and reel up and down.

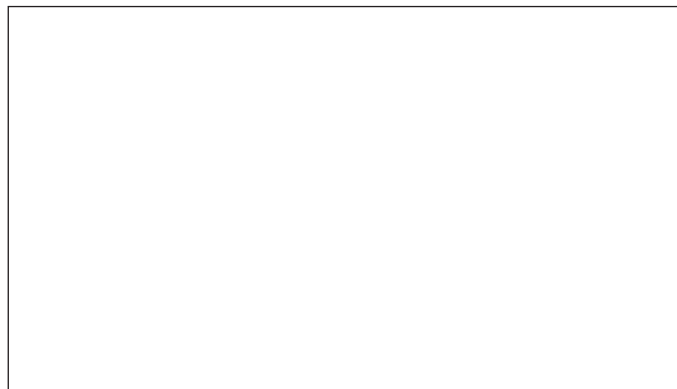
Technical specifications		Verrato V4
CUTTING TABLE		
Standard width	m	4,2
optional widths	m	3,1 - 5,1
Cutting height	m	- 0,20...+1,20
Knife speed	strokes/min	1020
Header reverse	type	mec. or elec.
REEL		
Diameter	m	1,05
Speed range	rpm	15...49
Speed adjustment		elec.
Electric fore/aft adjustment		mec. or elec.
THRESHING CYLINDER		
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.
CONCAVE		
Area	m ²	0,51
Angle of wrap	°	105
Number of rasp bars		12
Steppless adj.range	mm	6...42
STRAW WALKERS		
Number		4 or 5
Total separation area	m ²	4,80
SHAKER SHOE		
Top sieve	m ²	1,74 + 0,33
Bottom sieve	m ²	1,33
Total area	m ²	3,40
Fan speed adjustment		mec. or elec.
STRAW CHOPPER		
Swinging knife type		option
GRAIN TANK		
Capacity	m ³	3,30 - 4,20
Discharge height	m	3,40 - 4,00

Technical specifications		Verrato V4
ENGINE		
Power	kW/hp	110/150
Optional power	kW/hp	136/185
RPM/cylinder		2000/4T/6T
Dual air filter with ejector pre-cleaning		standard
Fuel tank capacity	l	200 or 350
TRANSMISSION		
Type		hydro
Closed final drive		standard
TIRES		
Front		18.4 R 34
or		600/65R34
Rear		360/70R20
or		420/65R20
CAB		
		SR-Std
Seat model		std-model
Extra seat		std
Heater		std
Air conditioning		option
WEIGHT		
With cab and chopper	kg	7100
DIMENSIONS		
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

ACCESSORIES AND EQUIPMENT		
Corn kit	Differential lock	Stone arrestor
Rice kit	Straw chopper	Air conditioning
Sunflower attachment for cutting header	Rape extension	Grain loss monitor
4-WD	Vertical knife	



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