SAMPO COMIA IS AN ADVANCED COMBINE HARVESTER MODEL.

Comia is an outstandingly efficient combine which is suitable for big and middle size farms. A superior performance and agile maneuverability makes the longest working day like a walk in the park.

The Comia have been harvesting in many locations, offering a wide variety of conditions, around the Globe, including from very dry to crops with high moisture content.

Find out more at your local dealer or www.sampo-rosenlew.fi
All of the controls of the cutting table are located on the traction lever.

**CUTTING TABLE**

Thanks to years of careful design, whether the growth is tall or low, the Comia cutting table can easily handle it. The optimal distance from the knife to the feeder auger ensures uninterrupted feed to the in-chaffer header elevator.

**COMIA C6 TO C12**

- Header widths: 3.0–6.3 m
- Automatic reel speed adjustment
- AHC: header automatic available
- Hydraulic header reverse
- Service friendly WB-knife drive

**KNIFE**

The Comia line uses modern screw-on knife blades. In the event of a failure, you can easily replace a knife blade. The knife is operated by a belt-driven Wobble Box drive. WB knife drive is almost maintenance free.

**FEEDER AUGER**

The large diameter of the feeder auger prevents wrapping in even the most demanding conditions. In order to achieve even feed, the number of fingers have been increased according to the table width. When fingers are spread evenly across the entire auger, even peak loads will not cause problems.

**PICK-UP REEL**

The plastic pick-up reel tines ensure efficient and gentle feed even when harvesting laid-down crops. If a plastic tine breaks off, for example, due to stone impact, the threshing mechanism will not be damaged in any way. The pick-up reel can be put in an automatic mode, when it responds to the ground speed of the combine.

**SPECIAL HEADERS**

For Sampo-Rosenlew combines harvesters are available many options for special crops. You can fit a corn or sunflower header on the Comia series. Depending on the model a 4 or 6 row corn header can be fitted. For harvesting rape an extension for the header can be fitted.
THRESHING MECHANISM

CSP- separation drum

CSP is a 30% more efficient straw walker system, for moist North-European conditions.

Straw walkers

Accordingly to field tests, adding a pair of straw walkers increases walker output by 10%.

Depending on the model, there are 5 or 6 straw walkers.

Shaker shoe

Large shaker shoe area: 3.45 – 4.50 m² depending on the model.

Return system

An efficient separate re-threshing device.

The sturdy Heavy Duty thresher cylinder on the Comia series ensures steady rotation even in the most demanding conditions. The 8 rasp bar cylinder has a diameter of 500 mm. The thresher cylinder’s flanges are made of cast iron: a feature that is not available from other manufacturers. There are two different types of concaves. For threshing grain, there is a separate, thin-wired and precisely threshing concave. The Universal model has strong wires and it is intended for corn, soy and sunflower threshing.

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STRAW WALKERS

Sampo-Rosenlew combines are famous for their excellent performance in the moist northern European conditions. In such conditions, a combine’s performance is almost always determined by its straw walkers. Removable straw walkers bottoms are made of stainless steel. Depending on the model, there are 5 or 6 straw walkers. Threshing tests indicate that adding a straw walker pair can increase walker performance by up to 10%.

CSP-SEPARATION DRUM

If harvesting is performed in deep conditions or if the crop is green, high straw walker performance is essential. The CSP (Cylinder Separation) separation drum, located on top of the walkers, is designed to increase the separation capacity of the walkers. In Northern European harvesting conditions, the CSP separation drum achieves approximately a 30% efficiency increase at the walkers. -drum is an option on every model.

STRAW CHOPPER

When harvesting with a wide cutting table, the straw mass is enormous. When the straws are chopped, it is important that the chopped straw are chopped as small as possible and spread evenly back onto the field. Regardless of the cultivation method, an even and fine straw mass is always beneficial.

The Comia C6 to C8 are equipped with standard chopper, rotating 3300 rpm. A high-speed chopper is available for these models also. The C10 and C12 come standard with a high-speed chopper, rotating 3800 rpm.

To disengage the chopper is a very easy maneuver on the C10 and C12. Just pushing a lever at the chopper and you can switch between chopped or long straw.
ONE-HAND CONTROL

Best threshing results are achieved when the combine harvester is easy to use. The control console integrated in the seat acts as the nerve centre of the Avara cab. ComVision II, a large 12.3 inch touchscreen, a control console, and a drive handle exclusively designed for the Comia-range. The 45 degree design of the handle differs from that used in other handles on the market. In this position, the hand can rest on top of the handle while still being able to control different functions. The multi-function lever is only one part of the well-thought-out controls used in the Comia-series. All threshing-related activities, such as the controls of the machinery and cutting table, are located in the armrest. The console also has 12V and USB plugs. A handy storage compartment, e.g. for a mobile phone, has been integrated into the console.

The 12.3 inch 8:3 screen is the widest combine harvester screen on the market. You can easily control the touchscreen with one hand while threshing. The screen has been split into two views, a static and an alternative view. You can choose the alternative view yourself e.g. rpm monitoring view or reversing camera view.

AVARA - MORE THAN JUST GOOD LOOKS

Eight work lights, modern LED day driving lights, and a wide windscreen. The internal measurements have grown by 30 cm which provides a lot of extra space. The driver’s clear visibility of the cutting table has been one of the things that were taken into consideration when designing the new cab. An air suspended seat comes as standard with the Avara cab. The safety of the driver is ensured with a seat belt.

Just by sitting in the new cab you are able to notice many handy details. There is a sun screen that can be pulled down from the ceiling of the cab. There is more storage space than before including a large storage space under the instructional seat. A handy cooler for snacks and drinks is available as an optional extra.
**GRAIN TANK**

On the Comia C6 to C8 grain tank sizes are from 4400 and 5400 liters, depending on model. Unloading height is standard 4.00 m. The unloading speed is 75 l/s on these two models.

Comia C10 and C12 has grain tank sizes 6000 liter and 7600 liter. Both combines are equipped with an efficient closed unloading grain tank. The unloading speed up to 100 l/s.

A large cab window ensures excellent visibility of the tank from the cab. Visibility is further enhanced by a grain tank working light, which can be switched on from the cab. The tank features a membrane-type level sensor with audible alarm system.

The unloading auger can be turned and discharge started via the control console integrated in the armrest. This makes unloading notably easier, especially when carried out while driving.

**COMIA C6 AND C8**
- Grain tank sizes, 4400 and 5400 liters
- Unloading height standard 4.00 m
- Electrical engagement of unloading

**COMIA C10 AND C12**
- Grain tank sizes, 6000 and 7600 liter
- Unloading height standard 4.4 m
- Electrical engagement of unloading

**TRANSMISSION**

Driving the Comia is very easy. The traction lever is used to determine direction and speed. The wide tires, which come as standard, ensure good driving properties. Another practical option is hydraulic four-wheel drive. It also allows the rear wheels to pull. This helps forward progress in difficult conditions and aids in preventing overriding tracks in the field.

**ENGINE**

The emission standards of diesel engines are constantly becoming stricter. The Sampo Comia fulfill strict emission requirements of commercial machinery. Using the new SCR diesel technology, you preserve the environment and save 10% in fuel costs, when compared with Common Rail fuel systems. The exhaust gases of the engine are treated with AdBlue. Using the Comvision display in the cab, you can monitor the consumption of the additive.

The engine power specifications are from 172 hp on C6 up to 300 hp on the C12 model. The AGCO Power engines with excellent torque rotate at 2,000 rpm.

The picture features Comia C12 transmission.
The undisputed leader on the combine harvester market with regards to clean ability. One needs to only study this spread to ensure the accuracy of this statement. Sampo-Rosenlew harvesters have always been easy to clean, due to technical solutions. The grain pan segments can be extracted, straw walker bottoms can be removed, and so on. Although the same features may be included in other makes, Sampo has implemented them so that you do not have to carry out cleaning in your service area. Instead, you can clean them on the field and save time.

When harvesting in moist or otherwise difficult conditions, material tends to accumulate under the concave on the front section of the grain pan. In such situations it is important that the grain pan segments can be removed for cleaning. The straw walker bottoms can be conveniently pulled out using the back door of the combine. You can do all this in field conditions, using the special tools provided with the machine.

CLEANING AND MAINTENANCE

SAMPO SERVICE AND SPARE PARTS ALWAYS AVAILABLE.

There is a world wide support chain responsible for the service of the Sampo Rosenlew combines. The mechanics are trained at the factory. They are always ready to drive to the farm in their well-equipped service vans and service your combine using their latest know-how with appropriate special tools and gauges. We strongly recommend that you should use these professionals when you need either periodic maintenance or service after the threshing season.
COMIA MODELS

**C6**
- 4 cylinder 172 hp AGCO Power engine
- 4.5 m cutting header
- AVARA cab
- Air conditioning
- Comvision II – touch screen display
- 8 rasp bar HD-cylinder
- TS-pre threshing cylinder
- 4400 liter grain tank
- 5 four step straw walkers
- Straw chopper 3000 rpm
- 600/65R34 front tires
- 420/65R38 rear tires

**C8**
- 6 cylinder 210 hp AGCO Power engine
- 4,2 m cutting header
- AVARA cab
- Air conditioning
- Comvision II – touch screen display
- 8 rasp bar HD-cylinder
- 5400 liter grain tank
- 5 four step straw walkers
- Straw chopper 3000 rpm
- 600/65R34 front tires
- 420/65R38 rear tires

**C10**
- 6 cylinder 238 hp AGCO Power engine
- 5,7 m cutting header
- AVARA cab
- Air conditioning
- Comvision II – touch screen display
- 8 rasp bar HD-cylinder
- TS-pre threshing cylinder
- 6000 liter grain tank
- 6 four step straw walkers
- Straw chopper 3800 rpm
- 650/65R38 front tires
- 480/65R24 rear tires

**C12**
- 6 cylinder 300 hp AGCO Power engine
- 5,1 m cutting header
- AVARA cab
- Air conditioning
- Comvision II – touch screen display
- 8 rasp bar HD-cylinder
- TS-pre threshing cylinder
- 7600 liter grain tank
- 5 four step straw walkers
- Straw chopper 3800 rpm
- 650/65R38 front tires
- 480/65R24 rear tires
The product development of the Sampo Rosenlew combines continues. Therefore the Company reserves the right to modify the products without prior notice and without obligation to make the same modifications to combines previously manufactured. The pictures in this brochure are selected from globally used material, as a result some details may vary from country to country. Check the information with your dealer.