



S4 - THE TALENTED 4-WHEELER

The heritage of the original ÄSSÄ-harvesters is still strongly visible on the new S4. Besides being the most advanced and refined 4-wheeler ever built in Ruovesi it is also the most durable and strongest performer. The new S-series machines are built according customer needs and can be equipped with different type of cranes, harvester heads and measuring computers.



STABILITY, POWER AND COMFORT

Unique power transmission enables superior offroad capabilities and allows very effective component placement. Due to this serviceability and stability are top class. Low center of gravity allows the use of longer crane with heavier harvester head. This is further helped with automatic levelling of the rear frame which ensures correct placement of the weight.

Completely redesigned cabin offers better visibility and more ergonomic and roomier interior thanks to 10 cm wider cabin frame. This combined to hydraulic suspension, automatic levelling ($\pm 17^\circ$ tilt) and $\pm 90^\circ$ automatic cabin rotation ensure operator comfort. Visibility can be further increased with a unique height adjustment of the cabin.

Redesigned frame has been made up to 30% stronger on critical points allowing safe and continuous use of larger harvester heads. The 47cm increase in wheelbase enables the use of a new twin circuit hydraulic system which both increases the overall efficiency and power available for working.



New dual circuit hydraulics allow more power for simultaneous use of crane and harvester head



Optional hydraulic rear axle with automatic stabilization.

S6 - THE 6-WHEELED BIG BROTHER

OPTIMAL CONTROL OF THE HEAD

BIGGER IS BETTER - at least when the wheels of a forest machine are considered! The forementioned unique fully hydrostatic power transmission is also used in the 6-wheeled variant of the S-series harvester.

All large 34" wheels are independently controlled which allows unseen flexibility and tractive force and therefore superior performance in variety of forests. Large wheels allow greater contact area without the use of tracks that increase the weight of the machine dramatically. Lower total weight combined to always correct rotation speed of each wheel minimizes ground damages and ensures performance also on soft and sensible ground.

Possibility to adjust the height of the cabin ensures good visibility even with the large wheels. A bogey with large wheels increases the stability of the crane.

Measuring computer controls the most important part of a forest harvester. This is why the control system is always chosen according the choice of harvester head. Also armrests and joysticks can be chosen or customized with some measuring computer options.



The basemachine operations are controlled with a highly customizable, flexible and operator friendly latest generation Iqan control system.



Above: Large wheels in the bogey offer good weight distribution even when working with maximum reach of the crane.

Right: Full $\pm 90^\circ$ cabin rotation ensures good visibility in all situations.



	S4	S6
Length:	6480 mm	7882 mm
Width:	2850 mm 3040 mm with hydraulic rear axle	3040 mm
Transport height:	3580 mm 3310 mm with hydraulic rear axle	3580 mm 3310 mm with hydraulic rear axle
Wheelbase:	3640 mm 3827 mm with hydraulic rear axle	4230mm 4370mm with hydraulic rear axle
Ground clearance:	700 mm	700 mm
Weight:	min. 15 tn	min. 18 tn
Tires:	Front: 710/70x34" Rear: 710/70x34"	Front: 710/55x34" Rear: 710/70x34"
Engine:	Deutz 6-cyl. Stage 4/Tier 4f Capacity 6.1 liters	
Power & torque:	Power: 180 kW Torque 1000 Nm @ 1400 rpm	
Hydraulic system:	Load sensing, electronically controlled twin circuit hydraulic system. Maximum flow of working hydraulics 693 l/min @ 1650 rpm	
Tractive force:	165 kN	220 kN
Crane options:	Kesla 13- & 16-series up to 11m	Kesla 16-series up to 11m
Harvester head options:	AFM, Kesla, Keto, Logmax, Waratah	
Measuring computer:	Different options according harvester head choice	
Other features and options:	Longitudinally tilting and hydraulically suspended rotating cabin, $\pm 17^\circ$ tilt. Hydraulic rear axle with automatic levelling Tracksystem for very low ground pressure or high inclination	Longitudinally tilting and hydraulically suspended rotating cabin, $\pm 17^\circ$ tilt. Hydraulic rear axle with automatic levelling