

Self-Propelled Mixer Wagons with 2 Vertical Augers



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SPW Product Information



be strong, **be KUHN**



MIXED RATIIONS

SPW, high capacity

Built on the strength of many years' experience in self-propelled mixer wagons, the new Kuhn SPW brings together all the development and production know-how of a skills centre specialising in bedding and feeding equipment.

Design of the Kuhn SPW has taken on board all the nutritional considerations of modern livestock farming: correct fibrousness index, homogeneous mixing, quality distribution, high capacity, etc.

Fuel savings are guaranteed through the combination of the TIER III B 247 hp engine and the "milling head/mixing auger" hydraulics management system that prioritises where the machine's force is required.

Suited to industrial farms and collective uses, the Kuhn SPW offers the best traction on the market. The weight distribution on the rear axle brings speed and comfort to this true limousine!

UNBEATABLE SILAGE CUTTING PERFORMANCE

Fast loading is an essential criterion for a self-propelled machine. The SPW range is therefore equipped with a wide (2.00 m) **1**, powerful (148 kW/200 hp) milling head that is capable of loading all types of fodder. Servicing has also been improved by its bolted wear blade that is now easy to change.



The loading conveyor has been totally redesigned! First of all, in terms of its drive. The belt is now driven by a hydraulic motor at the top of the conveyor **3**. As a result, the belt is drawn by the motor which helps to centre it. Centring is further assisted by a thin strip on the belt that slots into a groove in the driving rollers. The belt is therefore always correctly positioned in the middle of the conveyor, thus avoiding the risk of side wear.



To boost the loading rate of this new range of self-propelled mixer wagons, the width of the loading conveyor has been increased from 650 to 800 mm **2**. The fodder flow transits quicker between the milling head and the mixing hopper.





AUTOMOTIVE MOTION

PERFORMANCE AND SOBRIETY

From an economical aspect, the SPW is a sober machine whose running costs are among the lowest on the market.

The 247 hp/181 kW FPT engine combines with SCR technology which sprays AdBlue® additive into the exhaust to reduce nitrogen oxide emissions.

The more energy-intensive functions of self-propelled silage cutter & mixer wagons – such as the mixing process – are performed at very low engine speeds on the SPW.

High performance is achieved at incredibly low fuel consumption levels.

The joystick-controlled “automotive” drive can also be used to adapt the engine speed to the load which can also help save fuel.

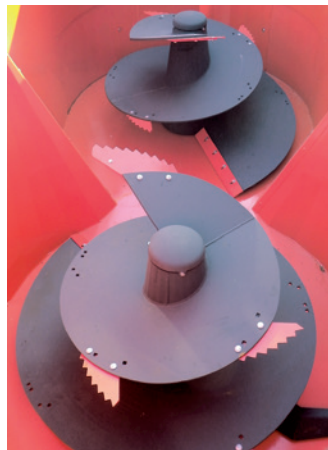
Engine speed is only increased during transport phases requiring additional power to avoid losing forward speed ❶.

As the engine compartment is positioned at the rear of the SPW, weight is transferred to the driving axle for outstanding traction.

VARIABLE MIXING SPEED

The SPW range comes with a 19, 22 or 25 m³ mixing hopper. Mixing is performed by two vertical augers, the specific design of which has forged the reputation of Kuhn mixer wagons.

Auger speed can be adjusted from 0 to 50 rpm to adapt the chopping action to the proportion of fibre in the ration.

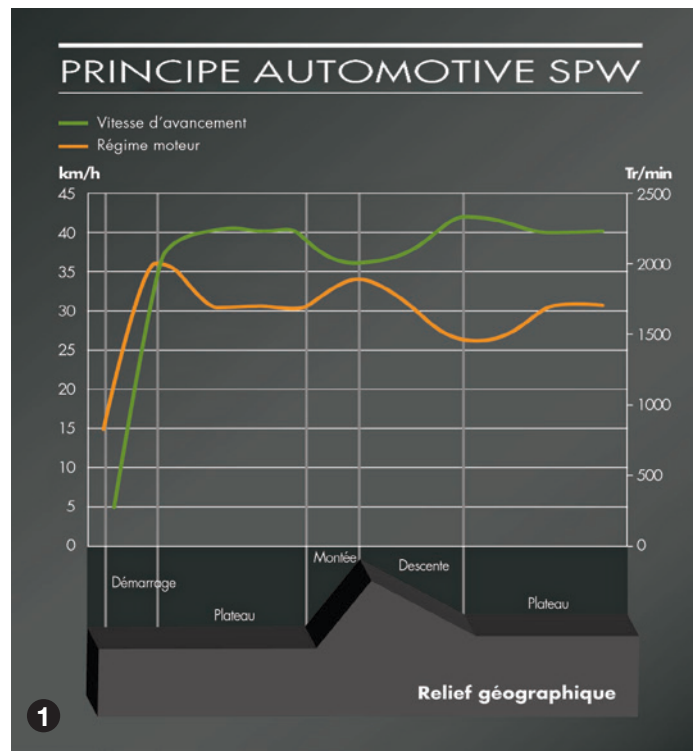


FEEDING WITH UTMOST EASE

The SPW range is equipped with a wide discharging cross-conveyor positioned between the cab and the mixing hopper. It can deliver the ration to the right and left-hand sides and offers excellent visibility from the driver's position ❷.

The extra-wide discharge door combined with the variable feed conveyor speed guarantees an even fodder string.

As an option, the SPW can be equipped with left and right rear doors for sheds with no through passage ❸.



CCI, INSTANT FINGERTIP CONTROL!

The driving position of the SPW integrates Kuhn's new CCI terminal.

With its colour touch screen, it centralises a whole range of information relating to machine operation and weighing management.

The driver simply has to glance at the screen to obtain all the information needed for operation: **100% useful technology.**

The CCI terminal also manages machine maintenance data such as periodic service operations as well as all diagnostic assistance interfaces. The CCI can also adjust the speed of the silage milling head, mixing augers and feed conveyor instantly.

Information on up to 80 rations with 15 different ingredients can be managed by the CCI. It memorises up to ten feed batches by name. The Librafeed data transfer system via a USB port to the farm's computer guarantees traceability of all operations.



KUHN Electronics
INNOVATIVE FARMING

LOOKING TO WORK QUICKLY AND EFFECTIVELY?

You won't be disappointed by the self-propelled SPW!



❶ AUTOMATIC CONVEYOR TENSIONING

To reduce servicing downtime, the loading conveyor on the SPW range has an automatic belt tensioning system. This consists of two hydraulic cylinders which keep the conveyor permanently taut to prevent belt slipping and avoid the driver having to stop the machine to tighten up the belt.

❷ MANOEUVRABILITY

For tight buildings, the SPW can be optionally equipped with a rear steering axle. Turning angles are considerably reduced as a result.

❸ COMFORT CAB

The cab interior layout offers the driver an optimum view of the machine control components and the exterior environment.

The machine can be driven through farm buildings with the greatest of ease thanks to its 310° panoramic cab and its wide range of mirrors, cameras and lighting.

❹ ACCESSIBILITY

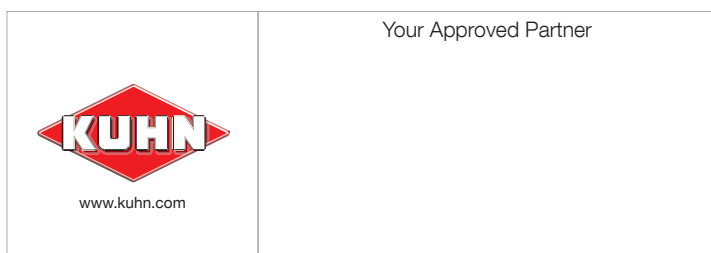
Positioned at the rear of the machine, the engine and main components (pumps, filters, gauges, etc...) are within reach for easy maintenance. First-level maintenance operations can be performed on the SPW range is next to no time.

Technical specifications

SPW Self-Propelled Mixer Wagons with 2 Vertical Augers

	SPW 19	SPW 22	SPW 25	
Effective capacity (m ³)	19	22	25	
Mixing concept	With two vertical augers			
Overall dimensions (m)	Height	2,78	3,06	3,33
	Width	2,51	2,51	2,51
	Length	10,5	10,4	10,3
Engine power (hp/kW)	247 / 181	247 / 181	247 / 181	
Silage cutting power (hp/kW)	200 / 149	200 / 149	200 / 149	
Mixing auger speed (min ⁻¹)	Variable from 0 to 50 min ⁻¹	Variable from 0 to 50 min ⁻¹	Variable from 0 to 50 min ⁻¹	
Kerb weight (Kg)	14 700	14 700	14 700	
Front tyres	445/45 R19,5	445/45 R19,5	445/45 R19,5	
Rear tyres	500/45 R22,5	500/45 R22,5	500/45 R22,5	

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