

Self-Propelled Mixer Wagons with 2 Vertical Augers

SPW Intense



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be strong, **be KUHN**



MIXED RATIONS

SPW Intense, high capacity

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

Design of the KUHN SPW Intense 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 Phase 4F 225 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 Intense 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

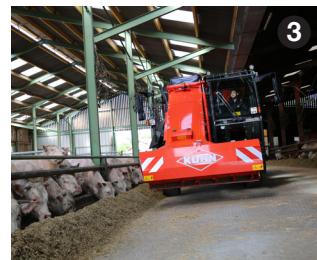
Fast loading is an essential criterion for a self-propelled machine. The SPW Intense range is therefore equipped with a wide (2.00 m) (1), powerful milling head (160 hp for SPW Intense from 14 to 18 m³ and 200 hp for SPW Intense from 19 to 27 m³) that is capable of loading all types of fodder. Servicing 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 (2). 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 (3). The fodder flow transits quicker between the milling head and the mixing hopper.





AUTOMOTIVE MOTION PERFORMANCE AND SOBRIETY

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

The 225 hp/165 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 SPV Intense.

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.

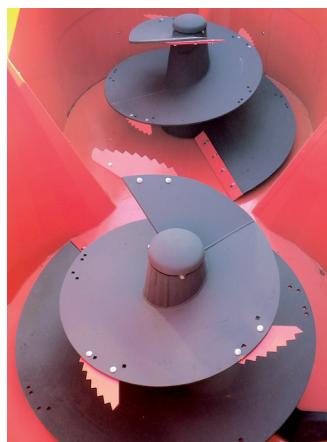
Engine speed is only increased during transport phases requiring additional power to avoid losing forward speed (1).

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

VARIABLE MIXING SPEED

The SPV Intense range comes with a mixing hopper from 14 to 27 m³. Mixing is performed by two vertical augers, the specific design of which has forged the reputation of KUHN mixer wagons.

On SPV Intense from 14 to 18 m³, auger speed can be adjusted from 0 to 50 rpm to adapt the chopping action to the proportion of fibre in the ration.



For SPV Intense 19, 22, 25 and 27 m³: hydraulic engine drive system allowing for improved chopping of the fibre and optimum cleaning at the end of feeding, coupled with a rigid connection between the 2 augers. The speed can be adjusted from 0 to 55 rpm. No maintenance required.

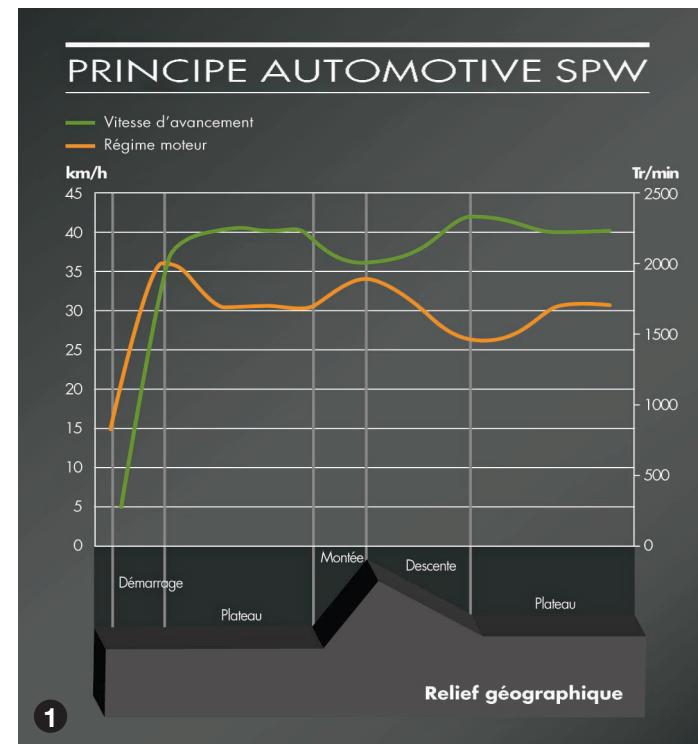


FEEDING WITH UTMOST EASE

The SPV 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 (2).

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

As an option, the SPV can be equipped with left and right rear doors for sheds with no through passage (3).



CCI, INSTANT FINGERTIP CONTROL!

The driving position of the SPV Intense 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

New equipment providing greater comfort and improved performance



ELECTRIC RETRACTABLE REAR VIEW MIRRORS (1)

Possibility to unfold and fold the rear view mirrors from the cab. Allowing to reduce the dimensions of the machine in order to easily access narrow buildings or silos.

LOADING BUCKET FOR CONCENTRATES WITH INCORPORATION AUGER (2)

To make filling with molasses and minerals easier for the user.

CONVEYOR OUTLET DEFLECTOR (3)

Its role is to guide the product spray flow in the tank and prevent product wind factor. It opens and closes automatically.

MANOEUVRABILITY (4)

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

Technical specifications

SPW Intense Self-Propelled Mixer Wagons with 2 Vertical Augers

	14.2 CS	16.2 CS	18.2 CS
Effective capacity (m ³)	14	16	18
Mixing concept	Two vertical augers		
Overall dimensions (m)	Height	2.74	2.96
	Width	2.50	2.50
	Length	9.80	9.75
Engine power (hp/kW)	225 / 165	225 / 165	225 / 165
Silage cutting power (hp/kW)	160 / 118	160 / 118	160 / 118
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
Unladen weight in working order (kg)	12,600	12,700	12,800
Front and rear tyres	445/45 R19.5	445/45 R19.5	445/45 R19.5

19.2 CL 22.2 CL 25.2 CL 27.2 CL

	19.2 CL	22.2 CL	25.2 CL	27.2 CL
Effective capacity (m ³)	19	22	25	27
Mixing concept	Two vertical augers			
Overall dimensions (m)	Height	2.78	3.06	3.33
	Width	2.50	2.50	2.50
	Length	10.93	10.76	10.69
Engine power (hp/kW)	225 / 165	225 / 165	225 / 165	225 / 165
Silage cutting power (hp/kW)	200 / 149	200 / 149	200 / 149	200 / 149
Mixing auger speed (min ⁻¹)	Variable from 0 to 55 min ⁻¹			
Unladen weight in working order (kg)	14,575	14,700	14,850	14,900
Front tyres	445/45 R19.5	445/45 R19.5	445/45 R19.5	445/45 R19.5
Rear tyres	495/45 R22.5	495/45 R22.5	495/45 R22.5	495/45 R22.5

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