

Self-Propelled Mixer Wagons with 2 Vertical Augers

SPW Intense



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be strong, **be KUHN**



MIXED RATIIONS

SPW INTENSE, high capacity

Ideally suited to industrial farms and collective use, the KUHN SPW INTENSE solution delivers unbeatable performance. The weight distribution on the rear axle ensures maximum speed and user comfort. Ranging in size from 14 to 27 m³, the SPW INTENSE mixer wagon has been designed to significantly reduce fuel consumption.

Fuel savings are guaranteed thanks to the combination of the Phase 5 250 hp engine and the “milling head/mixing auger” hydraulics management system that prioritises where the machine’s force is required.

Built on the strength of many years’ experience in self-propelled mixer wagons, the design of the KUHN SPW INTENSE has taken on board all the development and production know-how of a skills centre specialising in bedding and feeding equipment: correct roughage values, homogeneous mixes, distribution quality, high capacity, etc.

SILAGE CUTTING: UNBEATABLE PERFORMANCE!

The wide (2.00 m) (1), powerful milling head (200 hp on the SPW INTENSE 2 CS and 2 CL models) is capable of loading all types of fodder in record time. The geometry of the coil is designed to optimise loading performance and maintain the structural integrity of the silage. The bolted wear blade is now easy to change.



To boost the loading rate, the conveyor (2) is 800 mm wide. Therefore, the fodder flow transits quicker to the hopper. The belt is driven by a hydraulic motor at the top of the conveyor. As a result, the belt is drawn by the motor which helps to centre it.



The conveyor delivers the fodder flow in the same rotational direction as the mixing augers (3). The mixing capacity does not hinder silage cutting performance!





AUTOMOTIVE MOTION

PERFORMANCE AND SOBRIETY

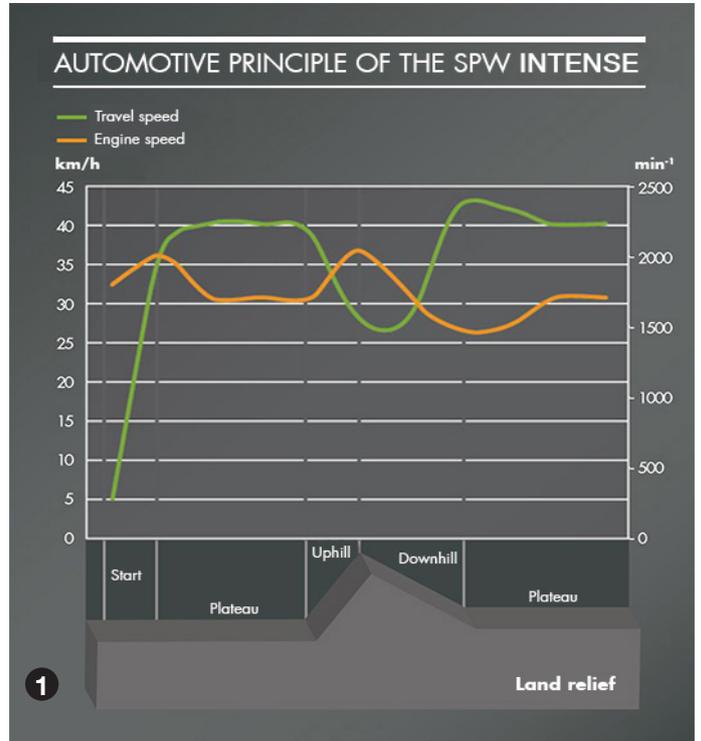
ENGINE: 250 HP READY TO WORK!

The SPW INTENSE models feature a VOLVO 6-cylinder, 250 hp turbocharged engine, a next-generation design that sprays Ad Blue into the exhaust to reduce nitrogen oxide emissions.

The more energy-intensive functions such as the loading/mixing process, distribution and transport are performed at very low engine speeds. Designed for optimum efficiency, the engine produces maximum torque and power at a low engine speed. The cylinder capacity is greater than the previous generation, providing 10% more torque. High performance is achieved at incredibly low fuel consumption levels.

For maximum productivity, maintenance schedules can be set every 1,000 hours.

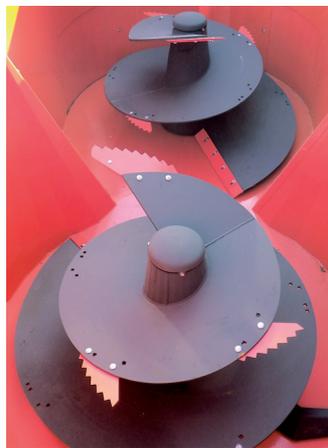
The frame is fully suspended with front and rear leaf-spring suspension. The conveyor is also suspended for maximum comfort, which also means easy access for servicing. All components are easily accessible thanks to polymer protective covers that open wide via handles.



CONTINUOUS CONTROL OF MIXING AUGER SPEED

The SPW INTENSE range is available in hopper volumes ranging from 14 to 27 m³. Mixing is performed by two vertical augers, whose specific design has forged the reputation of KUHN mixers.

The auger's hydro-mechanical drive system (by hydraulic piston motor) is electronically controlled according to the load on the milling head: a KUHN exclusive!



The SPW features a universal joint link between the two augers. Improved performance provides more strength in fibre-cutting mode and accelerated, timed auger cleaning at the end of distribution: 55 min⁻¹

CCI, INSTANT FINGERTIP CONTROL!

The driver's cab on the SPW Intense is fitted with the KUHN CCI 800 terminal.

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

One glance at the screen gives the driver all the information needed for operation: 100% useful technology.

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



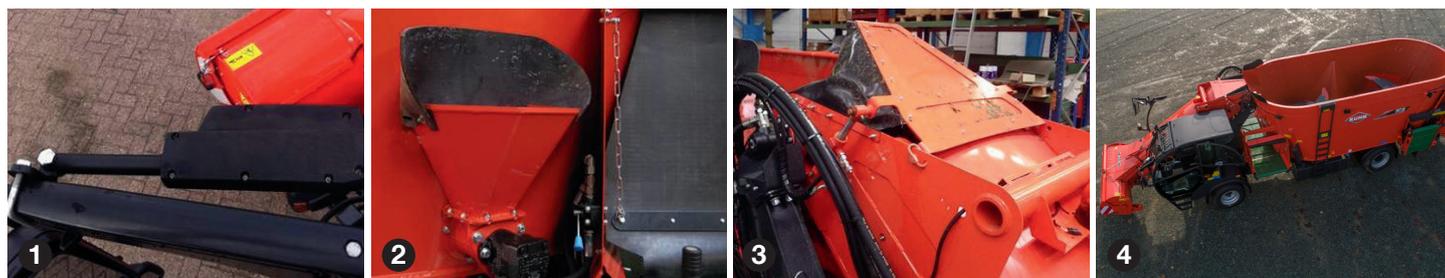
EVEN DISTRIBUTION WITH OUTSTANDING VISIBILITY

The SPW INTENSE 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 SPW INTENSE can be equipped with left and right rear doors for sheds with no through passage (3).

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.

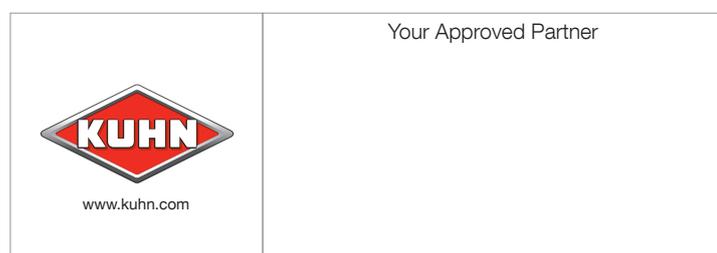
Technical specifications

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 | 3.21 |
| | Width | 2.50 | 2.50 | 2.50 |
| | Length | 9.90 | 9.85 | 9.70 |
| Engine power (hp/kW) | | 250 / 185 | 250 / 185 | 250 / 185 |
| Silage cutting power (hp/kW) | | 200 / 149 | 200 / 149 | 200 / 149 |
| Mixing auger speed (min ⁻¹) | | Variable from 0 to 55 min ⁻¹ | Variable from 0 to 55 min ⁻¹ | Variable from 0 to 55 min ⁻¹ |
| Unladen weight in working order (kg) | | 13,700 | 13,800 | 13,900 |
| 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 |
|---|--------|---|---|---|---|
| Effective capacity (m ³) | | 19 | 22 | 25 | 27 |
| Mixing concept | | Two vertical augers | | | |
| Overall dimensions (m) | Height | 2.78 | 3.05 | 3.33 | 3.46 |
| | Width | 2.50 | 2.50 | 2.50 | 2.50 |
| | Length | 11.00 | 10.86 | 10.79 | 10.75 |
| Engine power (hp/kW) | | 250 / 185 | 250 / 185 | 250 / 185 | 250 / 185 |
| 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) | | 15,600 | 15,700 | 15,800 | 15,900 |
| 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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