

Self-propelled mixer wagons with a single vertical auger

## SPV Access / SPV Power Product Information



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**MACHINE  
OF THE YEAR 2017**



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## SPV Access / SPV Power

Self-propelled mixer wagons with a single vertical auger



**Milling head for loading all types of fodder** (Power: 90 to 120 hp)



**Broad conveyor (650 mm) for maximum output**

**Automatic milling head control on the downstroke during silage cutting:**  
fodder structure is preserved

**Exclusive vertical mixing auger**  
(hydraulic drive with programmable mixing times)

**Rear-mounted narrow frame: short turning radius**

**Right and/or left-hand side feeding with extra-wide chute**

**Engine** (JDPS Phase 3A constant speed engine)  
**Engine compartment easily accessible:** easier maintenance!

### MIXED RATINGS

## SPV ACCESS / SPV POWER

These models have been developed specifically to provide a machine available for individual purchase and adapted to the needs of all farmers.

This new ACCESS range complements the KUHN range with a complete, efficient and extremely flexible machine providing a self-propelled mixing wagon model for all farmers.

The POWER version features all these advantages with even higher silage cutting power, improved mixing and traction performance with an effective volume of 17 m<sup>3</sup>.

The ACCESS and POWER models combine compact-size, easy handling and greater capacity while maintaining the comfort and performance level of the other KUHN models.

This machine features all the advantages of an efficient machine:

- Easy handling,
- «All purpose» dimensions,
- High-performance silage cutting for all products,
- Flexible and homogeneous mixing,
- Optimum multiple choice feeding,
- Spacious and intuitive cab.

### REDESIGNED CONCEPT, EASY HANDLING

These machines have been redesigned to meet the stringent requirements of small-size farmyards with small buildings.

The hopper is positioned between the two axles and supported on a frame. This allows for low hopper height for important volumes. The 15 m<sup>3</sup> version features an overall height less than 3.00 m.

These models feature a rear steering axle. Its track is more narrow than the front axle to obtain a very short turning radius of 5.90 m. As an option, with 4 steered wheels this radius can be reduced to 5.00 m.







## A NEW CONCEPT FROM 12 TO 17 M<sup>3</sup>

# COMPACT-SIZE – EASY HANDLING – FLEXIBILITY – COMFORT

### SILAGE CUTTING AND LOADING

The milling head develops 90 and 120 hp at 1700 min<sup>-1</sup> (engine speed). It allows to load all the feed products for cattle farms.

Electronic milling head control on the downstroke allows to adapt the loading rate as a function of the fodder density. This system optimises the performance of the machine without damaging the structure value of delicate fodder such as maize silage.

The conveyor can be reversed when the required weight is reached.



Only load the quantity programmed in the weighing terminal: guaranteed accuracy!

The 650 mm broad conveyor supplies the hopper in the mixing flow direction. Loading performance remains the same regardless of the fill level of the hopper.

The new rubber conveyor combines flexibility and strength. The central guide strip guarantees a longer service life.

### CONVENIENT USE

The model features a front steering axle with a leaf-spring suspension for comfort when laden and unladen.

All KUHN self-propelled mixer wagons feature a comfortable spacious cab with maximum visibility.

The cab features the multi-function joystick and the VT 30 or CCI 50 terminal. The interface logic is very simple for easy intuitive handling with three operating modes: Loading / Feeding / Travel

The machine can be driven using the multi-function joystick or with a foot pedal.



### MIXING

Available in 12, 14 and 15 m<sup>3</sup> versions for the ACCESS model and up to 17 m<sup>3</sup> for the POWER model, the overall heights range from 2.55 to 3.15 m. An extra-low model is available for difficult-to-access buildings.



The mixing is ensured with a vertical auger for quick cutting of fibrous products while providing an aerated mix with wet or semi-wet silage-based rations.

The mixing auger is hydraulically driven and ensures high flexibility with 2 speed levels:

- In «mixing» mode, it ensures optimum cutting and stirring of the products with a 15 or 20 min<sup>-1</sup> rotation.
- In «feeding» mode, the hopper is quickly and completely emptied at a 38 or 50 min<sup>-1</sup> speed.

### FEEDING

Direct feeding is performed through one or two right and/or left-hand side doors.

The door dimensions are designed in relation with the shape of the augers and the shape of the hopper to optimise quick and homogeneous discharge of the silage-based and mostly fibrous rations.

A wide range of feeding systems to meet all client needs:

- Retractable conveyor under the hopper for narrow feeding passages.
- Hydraulic tilting of the conveyor with different lengths for the higher troughs.





**Engine:** The **SPV ACCESS** and **SPV POWER** models are fitted with a **JDPS engine with 4 cylinders and 170 hp (126 kW) at 1700 min<sup>-1</sup>**. This «Constant Speed» motorisation is energy-saving and meets the anti-pollution standards without having to add Ad Blue. The engine compartment is positioned at the front of the machine at 90° with respect to the machine motion. Therefore it is protected from dusts during loading and the components requiring frequent servicing are accessible for easy maintenance.

**Standard spacious and full-comfort cab**

**Cab fitted with intuitive VT 30 or CCI 50 terminal**

## Technical specifications

## Self-propelled mixer wagons with a single vertical auger


		<b>SPV ACCESS 12.1 DL</b>	<b>SPV ACCESS 14.1 DL</b>	<b>SPV ACCESS 15.1 DL</b>	<b>SPV POWER 12.1 DL</b>	<b>SPV POWER 14.1 DL</b>	<b>SPV POWER 15.1 DL</b>	<b>SPV POWER 17.1 DL</b>
Effective volume (m <sup>3</sup> )		12	14	15	12	14	15	17
Overall dimensions (m)	Height	2,55	2,75	2,95	2,55	2,75	2,95	3,15
	Width	2,55	2,55	2,55	2,55	2,55	2,55	2,55
	Length	8,1	8,1	8,1	8,1	8,1	8,1	8,1
Engine power (hp/kW)		170/126	170/126	170/126	170/126	170/126	170/126	170/126
Silage cutting power (hp/kW)		90/66	90/66	90/66	120/88	120/88	120/88	120/88
Unladen weight (kg)		10 000	10 158	10 268	10 000	10 158	10 268	10 364
Front and rear tyres		445/45 R19,5	445/45 R19,5	445/45 R19,5	445/45 R19,5	445/45 R19,5	445/45 R19,5	445/45 R19,5
Mixing auger rotational speed	Working mode	15	15	15	20	20	20	20
	Feeding mode	38	38	38	50	50	50	50

### Optional equipment:

- Extra-low version to access all types of buildings
- Version with 4 steering wheels
- Feed unit on the front right-hand side

- Feed units on the rear right and/or left-hand side
- Tilting feed conveyor in different lengths
- Retractable feed conveyor under the hopper

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Société Anonyme au capital de 4 070 000 Euros

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