

Salt and sand spreaders



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K 51 - VSA - AXEO



be strong, be **KUHN**



K 51 p. 4

K51 VSA 250 360 AXEO 2.1 6.1 18.1

GET OVER THE WINTER WITH YOUR MIND AT EASE

You can't put a price on people's safety. That is why KUHN has developed a whole range of spreaders for winter road management. These multipurpose spreaders can be used to spread salt, sand or gravel as well as fertilizer in summer.

EXPECTING PRECISE SPREADING PATTERNS

A key characteristic of all KUHN spreaders are the precise spread patterns for product savings and protection of the immediate environment. They remain constant also at high speeds and application rates.

HIGH USER COMFORT IS WHAT YOU WANT

Monitoring KUHN sand and salt spreaders has never been so easy and self-explaining. Because this is what you expect from KUHN machines.

MACHINES, WHICH WITHSTAND THE TOUGHEST CONDITIONS

Winter conditions can be very demanding for machines at times. The high-quality manufacturing as well as the use of many stainless steel parts ensure a long service life of KUHN's salt and sand spreaders.

KUHN's salt and sand spreaders in brief:



VSA p. 5-7



AXEO p. 8-10

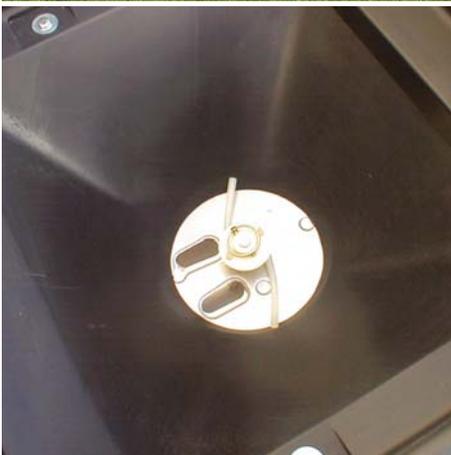
	Attachment	Capacity (l)	Empty weight (kg/lbs)	Max. payload (kg/lbs)
K 51	trailed or pushed	55	24/53	60/132
VSA 250-360	mounted	250-360	105/231-110/242	500/1,102
AXEO 2.1 - 6.1	mounted	250-560	130/286-160/352	800/1,763 - 1,000/2,204
AXEO 18.1	mounted	1,000-1,500	230/507	1,800/3,968

THE SMALL ONE FOR BOTH SUMMER AND WINTER



Pushed or pulled for various uses

The K 51 versatile spreaders can spread salt, sand, gravel and fertilisers. In winter, they will ensure pedestrians' safety when walking on paths, sidewalks and public or private roads. In spring or summer, they can be used for park maintenance (fertiliser applications on lawns, sanding, etc.). Thanks to its original design, the K 51 can either be hand-pushed or pulled for example by a small tractor. The modification from pushed to pulled version only takes a few minutes.



AN EFFICIENT AGITATOR

The agitator design provides a smooth and regular flow of all products while taking care of its granular surface.



DOUBLE DRIVE

The two driving wheels:
 - provide an excellent roadholding in winter and thus ensure an efficient distribution drive,
 - prevent lawns from being damaged.
 Distribution is disengaged by an integrated free wheel when reversing.



SIMPLE AND PRECISE DISTRIBUTION

The finely graduated adjustment plate and the adjustable deflectors enable precise application rates as well as spreading widths.

PERMANENTLY USEFUL

The VSA spreader is mainly intended for local authorities, industrial sites, maintenance departments and is adapted to small tractors. With its large range of use, its easy maintenance and robustness, this spreader will ensure your peace of mind.

Adapt the drive to your needs

You can opt for mechanic or hydraulic drive options on the VSA spreaders. This ensures flexible and efficient operations with different vehicles - for more fields of application.



VSA

250

360



WORK QUALITY



HIGH-QUALITY DISTR

CONTROLLED DISTRIBUTION!

Adjustable stainless steel deflectors allow to instantly adapt the desired application width. Together with the hopper, they can be easily removed without tools for an easy and complete cleaning at the end of the work.

QUICK AND ACCURATE ADJUSTMENT

The application rate is rapidly adjustable, thanks to a movable stop and a precisely graduated adjustment plate. A lever controls the outlet opening and closing (on the photo: as option remote control per electric cylinder). If needed, application can be set only to the right or the left side.



ADAPTING TO THE PRODUCT

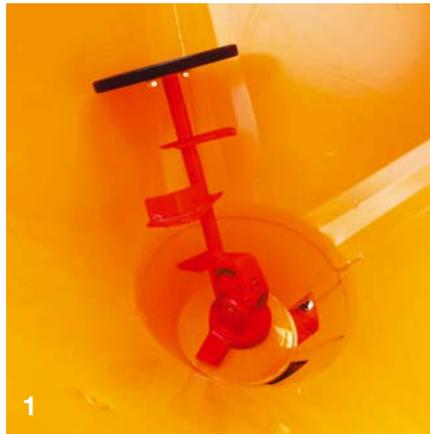
The hopper base, with stainless-steel outlets, is adjustable: Whatever the product, the spreader can be easily adapted. You also have the possibility to spread on one side only.

IBUTION

FOR AN EVEN FLOW

The hopper walls show steep angles in order to reduce the likelihood of bridging of products with poor flow characteristics. A plus for work quality!

VSA EQUIPMENT



- 1. Special agitator** For non-free flowing products (sand, salt, sand-salt mix) the special agitator provides a regular flow of the product towards the outlets.
- 2. Custom-made controls** There is a large choice of outlet remote controls available: It can be adjusted via a cable, an electric or hydraulic cylinder. Options for an optimum adaptation depending on the tractor.
- 3. Hopper protection** A sturdy grid, provided as standard, keeps stones, clods and other foreign bodies out. This provides an efficient protection for the bottom of the hopper.
- 4. Safety feature** Road lighting is important for safe transport.

FOR EASIER MAINTENANCE

Only a few minutes are needed to take apart the main components of the VSA: Cleaning and maintenance are thus made easier.

The gearbox doesn't require maintenance.





EFFICIENT WORK OF HIGH



QUALITY



It's the combination of many aspects, which make the AXEO models so efficient: They are easy to operate, provide impressive capacities, while adjustments can be made quickly and easily. Together with the assets for spreading all kinds of products uniformly, the AXEO constitutes a performing tool for professional users.



1. Spread multiple products The AXEO can be used to spread sand, salt and gravel, but equally to spread fertiliser in parks and green spaces. Application rates from a few grams up to several kilograms per square metre are possible.

2. Long operating range, less refills With a maximum load of 1,800 kg the AXEO frame allows a large amount of product to be carried and spread. Thanks to these high capacities the spreading range is increased, whereas the number of return trips to reload is decreased.

3. Even flow of all products The special agitator system improves the flow and discharge of products that are sticky or flow with difficulty. Like this, even damp salt and sand are supplied evenly to the spreading disc.

4. Uniform, even spreading The spreading disc is equipped with eight pallets. More pallets provide improved and uniform distribution even at higher operating speeds.

EXCLUSIVE

Application rate adjusts to ground speed (DPAE)

Thanks to the DPAE system the application rate is respected whatever the ground speed is. Thus, you can increase the work speed and will benefit from a better work output.





EASY ADJUSTMENTS FOR YOUR COMFORT



ONLY ONE FINGERTIP AWAY FROM PERFECT SPREADING

For an optimum distribution of different products, from salt to sand and gravel, you can adjust the drop point on the disc centrally. Simply press and rotate the stops to obtain even lateral spreading patterns according to the product. The DFC proportional graduations additionally enable a quick application rate setting. Note the use of long-lasting stainless steel.



EASILY ADJUSTABLE WORKING WIDTH

Stainless steel deflectors regulate spreading widths up to eight meters. They are easy to adjust and to remove for cleaning. Benefit from the option of adjusting them on the left and right side separately to really limit the product to where it is supposed to be.

PRECISELY CONTROL THE EDGES

In addition to the stainless steel deflectors, KUHN provides control of the application rate and drop point on the righthand side by a simple lever. With its help, you can avoid overdosage, when spreading along pavements or grass strips, while maintaining an optimum distribution across the working width.

FILTERING SIEVE AS STANDARD

The sieve prevents clumps or large objects from blocking the discharge outlet. A safety lock prevents inadvertent opening.

Technical specifications

Salt and sand spreaders

K 51

Working width (m/ft)	0.50-6.00 / 1'8"-19'8" depending on product
Hopper capacity (l)	55
Maximum load carrying capacity (kg/lbs)	60/132
Weight empty, approx. (kg/lbs)	24/53
Attachment	pushed or trailed
Drive	through the wheels
Recommended working speed (km/h - mp/h)	4-6 - 2.50 - 3.73

Standard equipment: handlebar for pushed version - drawbar for attachment in trailed version - universal agitator for all products - outlets and deflectors made of stainless steel.

Optional equipment: hopper cover.

Technical specifications

Salt and sand spreaders

	VSA 250	VSA 360
Working width (m/ft)	0.90 - 6.00 / 3' - 19'8"	
Hopper capacity (l)	250	360
Maximum load carrying capacity (kg/lbs)	500/1,102	
Filling opening width (cm/ft)	77/2'5"	83/2'7"
Overall width (cm/ft)	88/2'9"	100/3'3"
Loading height (cm/ft)	107/3'5"	118/3'9"
Weight empty (kg/lbs)	110/242	120/265
Hiitch	3-point, cat. 1	
Disc drive	by PTO at 540 min ⁻¹	by PTO at 540 min ⁻¹ or hydraulically
Hand-brake	-	
Filtering sieve	◆	

Optional equipment: special agitator for non-free flowing products (salt, sand, salt-sand mix) - remote control by mechanical cable, hydraulic jack (by single acting socket) or electric jack (12 V) - complete lighting - hopper cover.

Technical specifications

Salt and sand spreaders

	AXEO 2.1 K	AXEO 6.1K/C/QK	AXEO 18.1 K/C/QK
Working width (m/ft)	0.80 - 8.00 / 2'8" - 26'		
Hopper capacity (l)	250	560	750
Maximum hopper capacity (l)	350	560	1,500*
Maximum load carrying capacity (kg/lbs)	800/1,763	1,000/2,204	1,800/3,968
Filling height (set on the ground, cm/ft)	96/3'1'	123/4'	144/4'9"
Hopper dimensions (cm/ft)	87 x 100/2'8" x 3'2"	95 x 120 / 3'1" x 3'9"	120 x 150/3'9" x 4'9"
Filtering sieve	◆		
Agitator for dry products: gravel, salt, sand	to choose when ordering		
Agitator for sticky products: salt, sand	to choose when ordering		
Disc drive	PTO 540 min ⁻¹		
Application rate	K/C version	by continuously adjustable lever at the back	
	QK version	ground speed related application rate adjustment	
Outlet control	K version	by 1 SA hydraulic cylinder	
	C/QK version	by electric cylinder	
Hydraulic equipment required on the basic machine	K version	1x SA or 1x DA	
	C/QK version	-	
Ground speed signal (only on QK version)	-	as standard: 1 sensor + cable for plug ISO 11786 (cable for GPS speed sensor, sea equipment)	
Coupling	with yokes - cat. 1		with yokes - cat. 2
Rear lighting	◇		◆
Lighting and signalling	◇		
Approx. weight (kg/lbs)	130/286	160/352	230/507

*The equipment may vary according to the country. ◆ standard ◇ option - not available

EFFECTIVE WINTER ROAD MANAGEMENT

As soon as ice and snow arrive, KUHN spreaders provide the ideal solution for effectively managing winter roads. To be effective means working quickly, while at the same time reducing costs and protecting the environment. Still, above all stands the superior aim of ensuring people's safety on wintery roads. Especially when it comes to spreading salt, the modern and versatile KUHN spreading equipment pays off.

Discover the KUHN product range for professional roadside maintenance.



1. Offset arm verge shredders 2. Professional-duty roadside mowers 3. Hedge and grass cutters from 4.20 m 4. Hedge and grass cutters until 7.40 m

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