



Tine-bar forage wagon

Ambion 2 Alpline



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The specialist in sloping sites and green spaces



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The Ambion 2 Alpline is a versatile loader wagon for hay harvesting in alpine terrain or for maintaining green spaces. Thanks to its low-loader design and very low centre of gravity, these models are particularly well suited to working on slopes, in small-scale green spaces and on very damp sites.

The tried-and-tested loading unit, featuring continuous conveyor arms, transports the crop particularly gently through the cutters into the loading compartment. The 1.80 m wide, controlled steel-tine pick-up ensures optimal and clean crop collection in all conditions.

- 3 models with capacities of 14, 17 and 24.5 m³
- Easy-to-manoeuver loader wagon with excellent stability on slopes
- Low dead weight and compact design for maximum soil protection
- Alpline version with wide axles and a lower centre of gravity

Gentle loading

With the Ambion 2 tine-bar assembly

The Ambion 2 loading unit is fitted with 4 or 5 conveyor arms (Ambion 2-250). The conveyor arms are steered by linkages. This low-maintenance, low-wear design ensures particularly high loading performance whilst also ensuring a long service life for all heavily stressed components. Thanks to the controlled arms, the conveyor tines are always withdrawn from the conveyor channel at the optimum angle of 90°. As a result, the loading unit delivers exceptionally gentle forage handling and low power requirements.



Drive

The loading unit is driven by a roller chain. The chain tensioner is spring-loaded, ensuring minimal maintenance requirements. The torque rating of 1500 Nm at a drive speed of 540 rpm enables high climbing performance whilst maintaining low fuel consumption.



Swing bearing

The loading unit's robust swing control system enables high loading performance and a long service life. It is particularly wear-resistant and low-maintenance.



Rapid lubrication system

All lubrication nipples for the swing and steering bearings are connected to a central supply. Their easy accessibility makes maintenance quicker and easier.

Whether hay or grass Smooth and gentle loading



Controlled steel-tine pick-up

The 1.80 m wide pick-up features 5 rows of tines, which are controlled via a cam track. This ensures clean and even crop pick-up in all conditions, particularly on undulating terrain. The roller press with downstream guide plate improves crop flow to the conveyor arms.



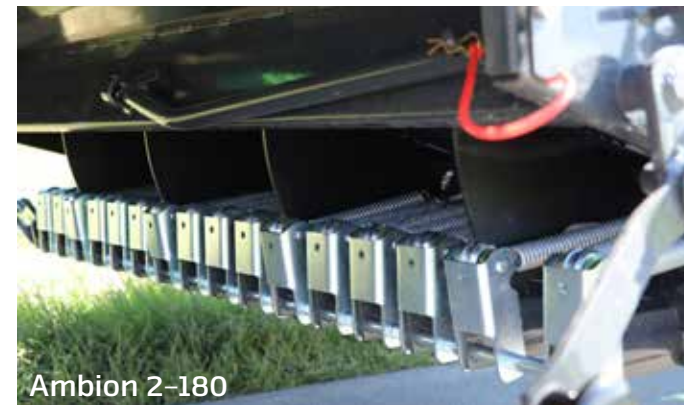
Guide wheels

The rigid guide wheels reliably control the pick-up height and prevents the pick-up tines from penetrating the ground. The pick-up's raking height can be adjusted easily and without tools using the hole patterns on the guide wheels. A mechanical relief mechanism allows the pick-up's contact pressure to be easily adjusted to suit the ground conditions.



Pick-up mechanism

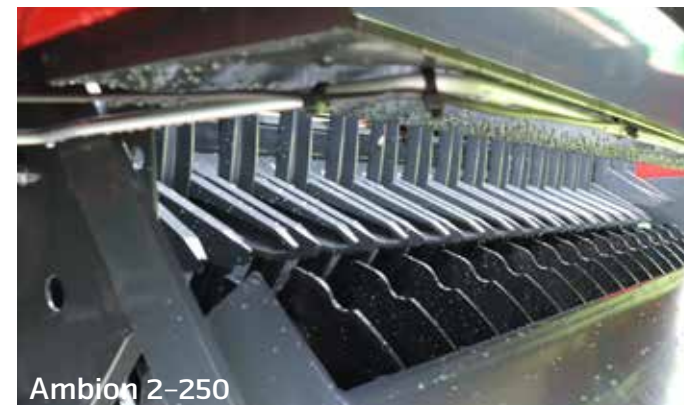
The pick-up is driven by a roller chain. When the pick-up is raised at the headland, it is disengaged by a clutch. This allows the machine to drive over cross swaths without any problems.



Ambion 2-180

Cutting unit

The Ambion 2-150 and 2-180 models can be fitted with up to 16 blades on request. This achieves a cutting length of 80 mm. The Ambion 2-250 comes with 17 blades as standard. This cutting unit can be expanded to up to 33 blades for silage applications. This achieves a cutting length of 40 mm. Each blade is individually protected against overload to guard against foreign objects. For maintenance purposes or for working without blades, the cutting unit can be easily swung out manually.



Ambion 2-250

Scissor-type body

Flexible and lightweight



Scissor-type body

The folding-type body is characterised by a particularly lightweight design combined with a high load capacity. The machine's centre of gravity is lower, which significantly improves stability on slopes on alpine terrain. To pass through low buildings, the body can be easily folded down hydraulically. This reduces the machine's overall height by up to 70 cm.



Rear tailgate

The hydraulic rear tailgate enables quick and complete emptying thanks to its wide opening. The cylinder stroke can be limited quickly and easily. This allows for problem-free unloading in low barns and when the scissor-type grid is folded down. The body brackets and ropes prevent the loss of crop during road transport.



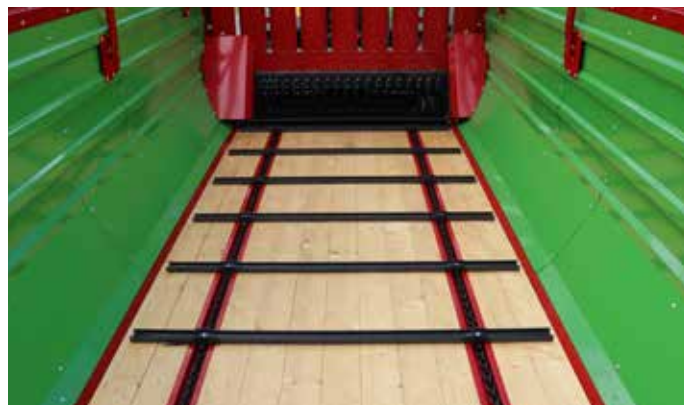


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Transport floor



Transport floor

The Ambion 2 is fitted with a wooden platform. Two round steel chains, together with bolted U-profile strips, ensure that the load compartment is emptied completely. On the Ambion 2-150 and 2-180 models, 8 mm-thick round steel chains are fitted to ensure the lightest possible construction. The Ambion 2-250 is fitted with 10 mm-thick chains designed for heavy loads.



Hydraulic transport floor drive

The transport floor is operated from the tractor via a double-acting control unit. The speed can be easily adjusted by varying the oil flow rate of the control unit on the tractor. For controlled and metered unloading, e.g. onto a hay blower, the transport floor can also be operated from the outside.

Drawbar and linkage



Drawbar

The drawbar is hydraulically adjustable (optional on the Ambion 2-150). This makes it easy to increase ground clearance, for example to drive over silage mounds or to change the blades more easily. Depending on requirements, the drawbar can be easily converted between low and high hitch configurations. In addition to the ring tow eye, a K80 ball-head coupling is also available.



Chassis and tyres

For all needs



In the Alpline version, all models are fitted with a chassis featuring a wide track and a lower centre of gravity. The Ambion 2-150 Alpline and 2-180 Alpline have a track width of 1.90 m as standard. For the Ambion 2-250, the Alpline version with a track width of 2.30 m is available as an option. All chassis are fitted with an air brake as standard.



19.0/45 – 17 BKT AS 504



19.0/45 – 17 AW BKT AW 708



Chassis Ambion 2-250

In its standard configuration as a high-loader with increased ground clearance, the Ambion 2-250 has a track width of 1.80 m. For a higher permissible gross vehicle weight and improved ride comfort, a tandem axle is available for this model in addition to the single axle. Both axle variants are also available in a low-loader configuration in the Alpline version.

Operation



The requirements for the tractor used to operate the Ambion 2 are very minimal. All hydraulic functions are controlled via two control units. The transport floor is controlled directly via a double-acting control unit. A single-acting control unit controls all other hydraulic functions. The desired hydraulic function is preselected using the Pilot Box electro-hydraulic control system. A tailgate sensor detects the status of the tailgate. The optional fill-level sensor sends a signal when the trailer is full.

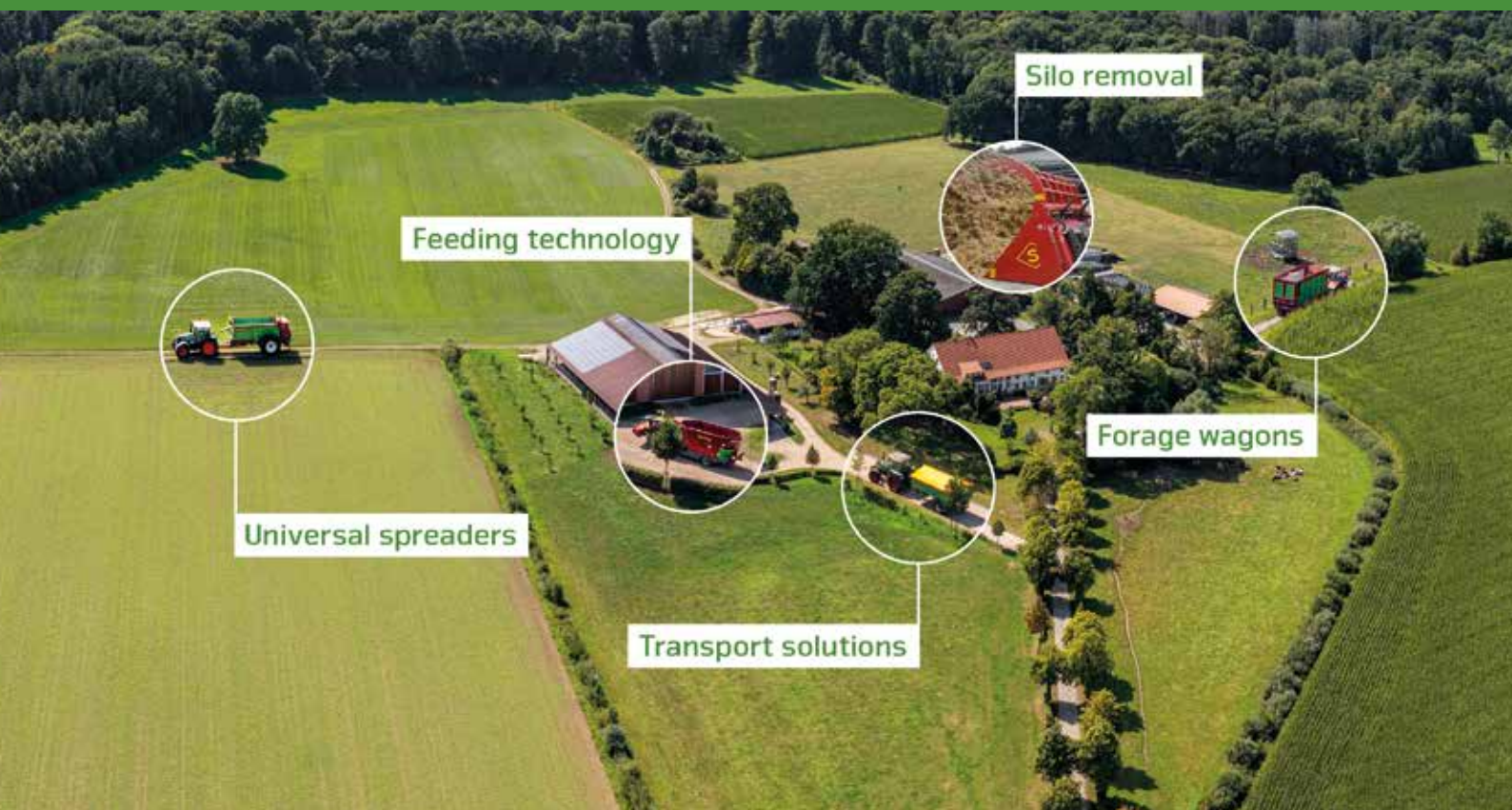


Technical data

	Ambion 2-150	Ambion 2-180	Ambion 2-250 Single axle		Ambion 2-250 Tandem axle	
	Alpline	Alpline	Standard	Alpline	Standard	Alpline
Total Dimensions with 19.0/45 – 17 tyres [m]						
Length	7,0	8,0	8,5		8,5	
Outer wheel width	2,45	2,45	2,28	2,85	2,28	2,85
Height when the folding grille is open	2,65	2,65	3,36	3,16	3,46	3,26
Height with the mesh panel folded down	2,0	2,0	2,39	2,19	2,49	2,29
Height for all-steel bodywork	–	–	3,32	3,12	3,42	3,22
Platform height	0,77	0,77	1,09	0,89	1,25	1,05
Weight [kg]						
Tare weight of basic equipment	2.100	2.300	3.400		3.900	
Gross vehicle weight rating	7.000	7.000	7.500		10.000	
Power requirement [kW/PS]						
Power requirement	30 / 40	33 / 45	45 / 62		45 / 62	
Loading volume [m³]						
Loading volume (medium compressed)	22	28	38		38	
Loading volume acc. to DIN 11741	14	17,5	24,5		24,5	
Additional entry						
Type of loading unit	Tine bars	Tine bars	Tine bars		Tine bars	
Number of tine bars	4	4	5		5	
Working width pick-up [m]	1,80	1,80	1,80		1,80	
Number of knives [pcs]	0 / 16	4 / 16	17 / 33		17 / 33	
Shortest theoretical cutting length [mm]	80	80	40		40	
Maximum permitted speed [km/h]	30	30	30		40	

Figures, technical data and weights may change due to technical development and are not binding for delivery.

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