



Tine-bar forage wagon

**Ambion**



# Ambion

- The expert for gentle loading



## Ambion

High harvesting performance and gentle loading are the special features which distinguish the Strautmann Ambion forage wagon. The large-sized hay superstructures ensure maximum transport capacities. The silage superstructure ensures efficient loading even when harvesting grass.

## Contents

Gentle loading	4-5
Safe loading, precise cutting	6-7
Flex-Load pickup	8-11
Superstructure options	12-13
Bottom & drawbar	14-15
Chassis and tyres	15-16
Operation	17
Technical data	18

## Gentle loading

### – With the Ambion tine-bar assembly

#### Tine bar bearing

- Lateral spherical bearings for a long service life
- Twists of tine bars are compensated for without any problems
- Low maintenance and wear

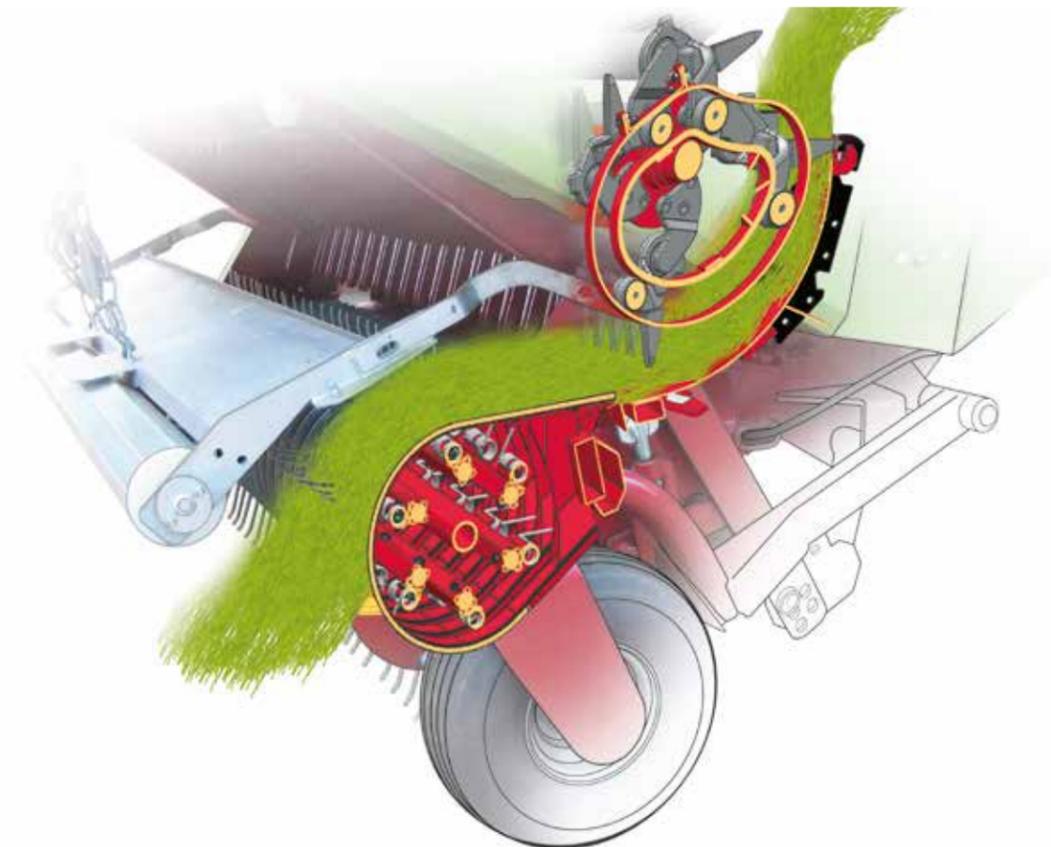
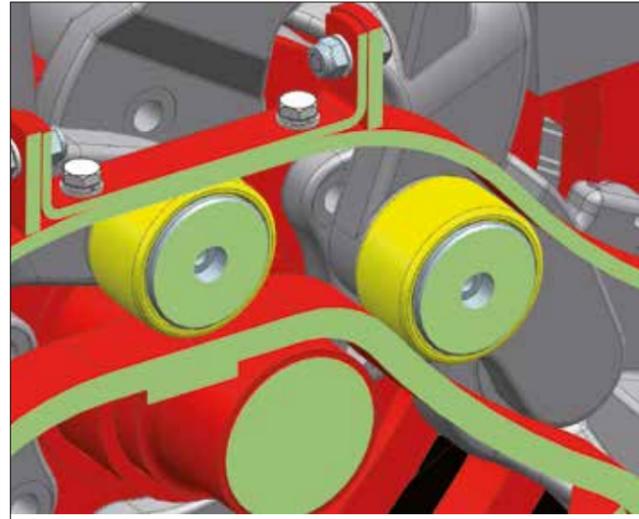
#### High harvesting performance

The two-sided curved path control enables:

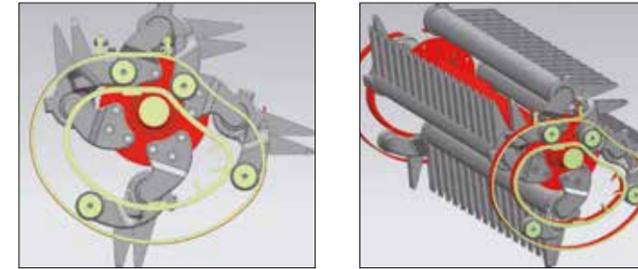
- Maximum harvesting performance
- Long service life

The double tines of the tine bars are guided at an optimum angle of 90° to the conveyor duct trough at any time.

- Low power required
- Exact cutting quality
- Extremely gentle fodder treatment



#### Four tine bars



#### Four tine bars (standard in Ambion 290 - 360)

- Particularly gentle
- Ideal for hay and light materials

#### Drive

- Tine bars powered via a solid Duplex chain
- Pick-up powered via a reinforced roller chain
- Spring-loaded chain tensioner for rare retightening

#### Five tine bars



#### Five tine bars (standard in Ambion 440 - 500)

- Option for Ambion 250 - 360
- High harvesting performance
- Durable

#### Drive

- Powered via large-sized toothed wheels
- The outer steel bridge ensures maximum stability
- Toothed wheel wear due to one-sided abrasion is excluded

# Whether hay or grass

– Safe loading, precise cutting



### Additional guide wheels

- Optional additional guide wheels behind the pick-up ensure reliable adaptation to the ground



### Cutting unit

- Standard equipment with 6 knives (240 mm of theoretical cutting length)
- 19 knives (80 mm of theoretical cutting length) or 37 knives (40 mm of theoretical cutting length) as optional equipment
- Additional knives are hydraulically extended
- Easy handling due to knife change without use of tools
- Individual knife protection system for reliable safeguarding against foreign objects



### Cam-controlled steel tine Pick-Up

- Galvanised pick-up of 1.8 m in width
- Flexible for good adaptation to the ground
- 5 tine rows, cam-track controlled
- Guide roller in front of the baffle plate for optimum material flow



### Guide wheels

- Steerable guide wheels with rubber tyres
- Fine adjustment enables proper fodder intake at all times
- Proper picking-up of material to be loaded



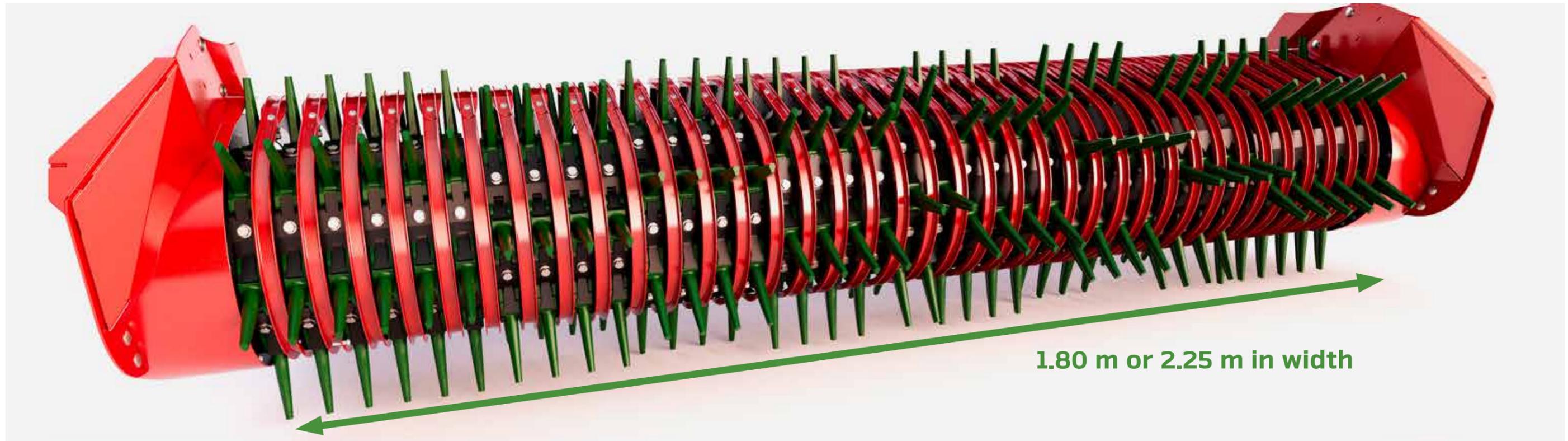
### Quick-lubrication system

- All lubricating nipples of the tine bar and control bearings are centrally grouped
- Lubricating with one rotor position without any problems
- Time saving of up to 90% for this work



## Unique

### – The Flex-Load pick-up



### Flexible loading – Saving time and effort

The unique Flex-Load pick-up is the result of decades of experience in the field of silage wagons. Due to the innovative plastic tines, an unprecedented resistance to wear is achieved. The flexible tines are hard enough to perfectly pick up the material from the swathe, but also flexible enough to adapt to the ground, thus minimising wear and saving costs and effort.

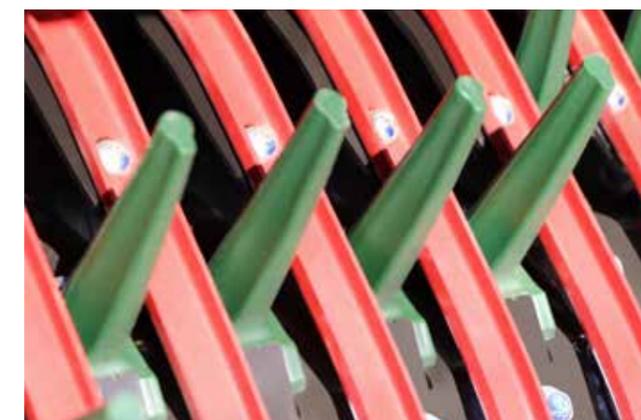


#### Wide pick-up

- Pick-up width of 1.80 or 2.25 m
- Flat standing pick-up for optimum adaptation to the ground
- Camless with only a few moving parts for minimum wear
- Road travel possible without folding of guide wheels
- Homogeneous fodder intake due to double roller crop press device

#### Your advantages

- + Reduced tine breakage
- + Minimised tine wear
- + Change of tines in less than one minute
- + Ideal adaptation to the ground
- + Optimum protection of soil
- + Less contamination of fodder



#### Flexible plastic tines

- Special PUR composition
- 6 helically arranged tine-segment rows
- Tines are horizontally flexible, vertically rigid to ensure safe picking-up
- Ideal adaptation to the ground
- Penetration into the ground is prevented, thus avoiding contamination of fodder
- Minimum wear and hardly any tine breakage
- Change of tines within one minute with only one tool require

## Does not leave a blade of grass lying around

### - 2,25 m Flex-Load Pick-up

#### The pick-up for highest requirements

Thanks to the new Flex-Load pick-up especially developed for hay harvesting in hilly terrain, the Ambion achieves optimum adaptation to the ground and excellent fodder intake due to the large operating width and an enormous pendulum radius. Furthermore, the fodder is additionally protected due to the Flex-Load tines.



#### Large picking-up width

- 2.25 m according to DIN
- Optimum crop pick-up with large swaths of hay
- Easy adaptation of the pick-up speed due to hydraulic pick-up drive
- Reliable material merging via 300 mm tamping augers behind the pick-up



#### Enormous pendulum radius

- Parallelogram-guided suspension enables a pendulum radius of 25 cm
- Optimum fodder intake due to very good adaptation to the ground even in rough terrain

## Hay superstructure

– The voluminous one



## Silage superstructure

– The compact one



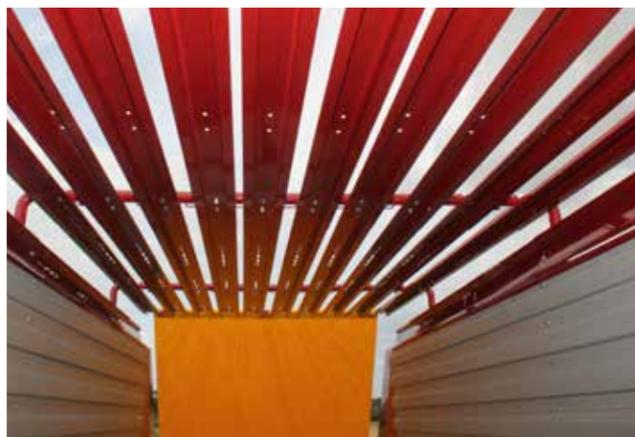
### Superstructure

- Particularly large-sized superstructure for powerful transport of dry fodder or straw
- Robust design with sturdy side posts
- Widely opening tailgate ensures fast discharge



### Superstructure

- Profiled sheets with sturdy side posts
- Superstructure brackets with ropes enable maximum transport capacities



### Roof profiles

- Robust roof profiles consisting of broad guide plates
- Compression of loaded material to increase transport capacity
- Road transport without any losses, in particular for light loaded material such as dry fodder or straw



### Dosing unit

- 2 beaters discharge a neat swathe on the silo
- 3 beaters as optional equipment for even more precise discharge
- Easy distribution and reliable compression ensure optimum silage quality

## Transport floor



### Transport floor

- Even feed due to 10 mm strong round steel chains with a breaking load of 13 t each
- 25 mm thick wooden floor
- Handy profile strips with U-shaped cross-section screwed to the chains



### Hydraulic transport floor drive

- Optional two-stage motor for maximum discharge speed
- Standard bumper buffer

## Drawbar and linkage



### Drawbar

- Hydraulic folding drawbar for top or bottom linkage
- Optional hydro-pneumatic drawbar suspension for optimum driving comfort
- Clearly arranged hose holder enables easy hitching-up



See machines in action:



Just scan the QR code or visit the Strautmann YouTube Channel.

# Chassis and tyres

- For all needs



## Chassis options



### Spring-loaded boogie tandem assembly

- Safe and comfortable driving
- High degree of stability even during cornering
- Large pendulum radius
- Depending on the intended use, chassis with an axle load of 10 - 13 t are available
- Thus, in combination with corresponding tyres, even low overall heights can be implemented for fresh fodder harvesting.



### Steering axle

- Optional equipment
- Protects the sward and reduces tyre wear



### Tyre options

- Various tyre sizes are available for different requirements
- Large tyres up to size 710/40 R 22.5 ensure ground-protecting loading and a high degree of stability on slopes

## Operation

Several operating options enable an adapted and easy operation

### E-CONTROL SET



- Standard equipment
- Operation of hydraulic functions via toggle switch
- Comfortable & easy
- Oil supply via load-sensing

### ISOBUS CONTROL

The Strautmann ISOBUS control helps you to have all machine functions under control at any time. The particularly intuitive operator panel of the software is divided into loading and unloading mode and road travel mode. The keys are arranged ergonomically and ensure comfortable and safe operation of the machine functions. Numerous automatic functions such as e.g. automatic charging, automatic drawbar system and automatic reverse system ensure intuitive and comfortable machine operation.



Due to the compatibility of the Strautmann ISOBUS control, most varied terminals can be used for the Strautmann forage wagons. Thus, depending on the tractor type, all machine functions can also be operated via the tractor joystick.

### STRAUTMANN "SMART 570"



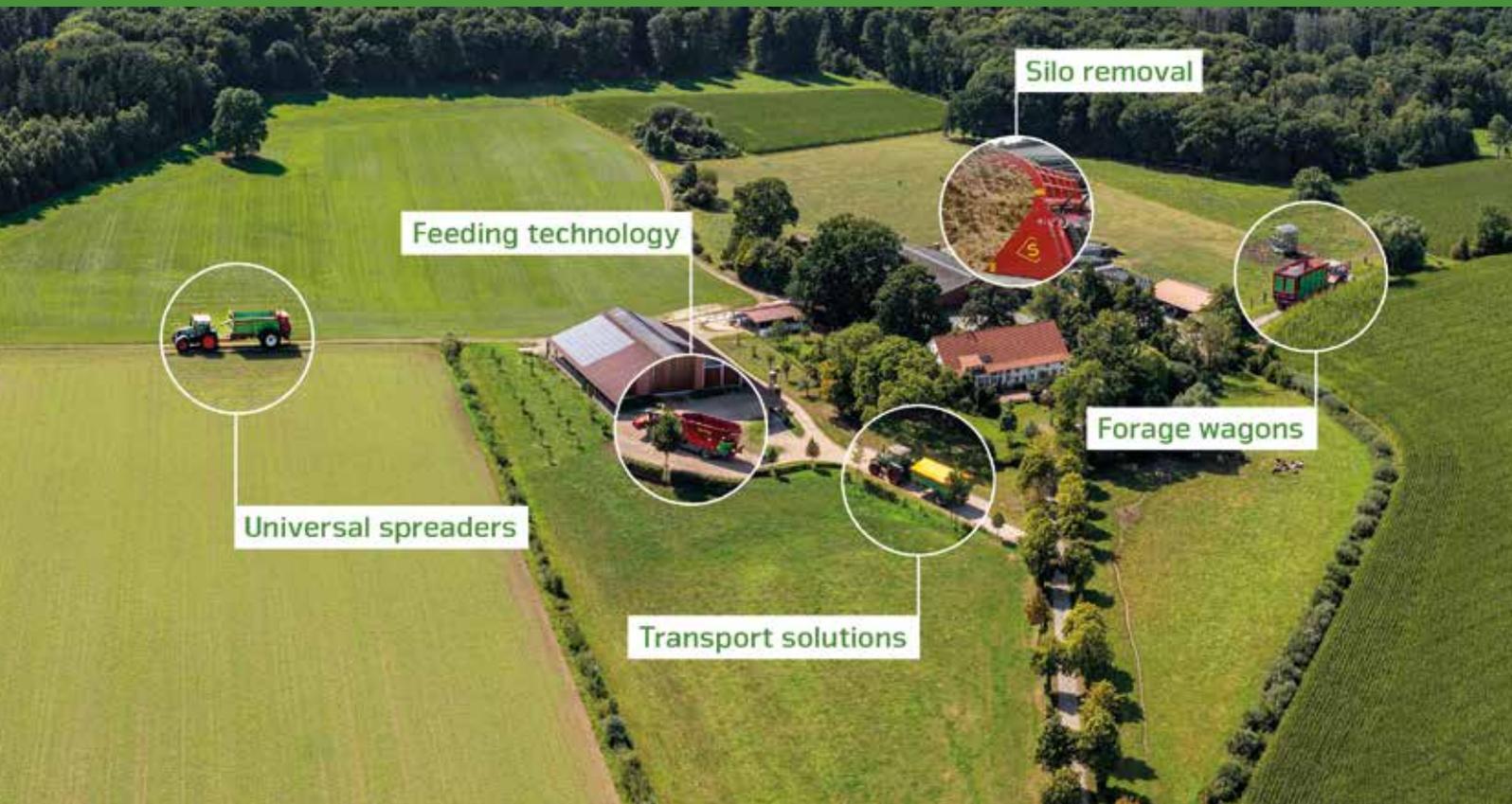
- Optional right-hand terminal
- 5.7" coloured screen
- Optimum control of the loading and unloading process and safe road travel

## Technical data

	Ambion 290	Ambion 360	Ambion 440 Extension low / high	Ambion 500 Extension low / high
<b>Total Dimensions</b>				
Length [m]	8,95	10,35	10,75	12,00
Outer wheel width with chassis 13 t, tyres 620/40 R 22,5 [m]	2,72	2,72	2,72	2,72
Outer wheel width with chassis 13 t reinforced, tyres 710/40 R 22,5 [m]	2,81	2,81	2,81	2,81
Height with chassis 13 t, tyres 620/40 R 22,5 [m]	3,66	3,66	3,94 / 4,12	3,94 / 4,12
Height with chassis 13 t reinforced, tyres 710/40 R 22,5 [m]	3,76	3,76	4,00 / 4,18	4,00 / 4,18
<b>Dimensions of loading space</b>				
Height [m]	2,22	2,22	2,42 / 2,60	2,42 / 2,60
Width [m]	2,10	2,10	2,10	2,10
Length [m]	6,08	7,48	8,02	9,07
<b>Tare weight</b>				
Tare weight of basic equipment [kg]	5.800	6.100	6.400	6.600
<b>Gross vehicle weight rating</b>				
Gross vehicle weight rating [kg]	15.000	15.000	15.000	15.000
<b>Power requirement</b>				
Power requirement	51 kW / 70 hp	59 kW / 80 hp	59 kW / 80 hp	66 kW / 90 hp
<b>Loading volume (medium compressed)</b>				
Loading volume (medium compressed) [m <sup>3</sup> ]	47,6	59,5	67,2 / 71,4	78,2 / 83,3
<b>Loading volume acc. to DIN 11741</b>				
Loading volume acc. to DIN 11741 [m <sup>3</sup> ]	28	35	39,5 / 42,0	46,0 / 49,0
<b>Additional entry</b>				
Type of loading unit	Tine bars	Tine bars	Tine bars	Tine bars
Working width pick-up [m]	1,80	1,80	1,80	1,80
Number of knives [pcs]	6 / 19 / 37	6 / 19 / 37	6 / 19 / 37	6 / 19 / 37
theoretical cutting length [mm]	240 / 80 / 40	240 / 80 / 40	240 / 80 / 40	240 / 80 / 40

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

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