

LELY STORM

Flywheel forage harvesters



www.lely.com

innovators in agriculture

Making the most of ideal moments



Easy running plus unsurpassed harvesting quality

Due to the flywheel effect, these forage harvesters produce a great deal of kinetic energy, which ensures sudden increased loads are dealt with easily. Peak loads are levelled out and the r.p.m. rate remains consistent. Results: a consistent chop length and a significant reduction in energy requirements.



Quick sharpening using the on-board sharpening system

The easily operated knife sharpener gives knives an accurate, uniform edge. During grinding, the flywheel rotates at a low speed and the grinding disc is easily wound in to sharpen the blades. In next to no time, the blades are razor-sharp again.



Easy adjustment of chopping length

By changing the gears in the gearbox, the operator can quickly adjust the chopping length within the range from 6 to 44 mm without having to use any tools.

A good clamp with perfectly cut forage

Ensiling forage that is too moist may produce butyric acid. On the other hand, a crop that is too dry cannot be compacted. For clamps with inadequate compaction there is an increased risk of fungi and butyric acid; when clearing the clamp, air can penetrate more easily so that overheating may occur. Therefore, timing and capacity are very decisive for the eventual results of ensiling forage in a clamp.

Setting off with optimum capacity is extremely important and Lely Storm forage harvesters offer precisely that output. Thanks to their flywheel effect, these machines produce much kinetic energy, which is used to absorb irregularities in the crop intake. In case of a peak load, the r.p.m. rate is preserved so that the chopping length remains consistent at lower power requirements.

Performing more with the same tractor; an investment that pays out twice. Less fuel and more high quality fodder! Lely Storm forage harvesters harvest results.

Optimal output through extra-large flywheel

The flywheel – with a 1.30 m diameter and ten blades and blowing paddles – optimises the chopping quality and ensures efficient and fast loading of trailers.

Unique on-board hydraulics

The on-board hydraulics ensure a precise and independent oil flow. A built-in oil pump with its own oil reservoir supplies the hydraulic power for raising the pick-up, reversing the drive, and spout rotation. All functions can be comfortably controlled from the electrohydraulic handset in the tractor cab.

What you feed is what you get!



Harvest results.

A million cows are milked daily by Lely robotic milking systems but it's not only the Astronaut that makes robotic milking such a success. It's the knowledge and experience of our employees that help farmers to achieve the best results with their herds.

That's why we know – more than anybody else – that good quality roughage is the basis of your success. It ensures good animal health, maximum fodder intake and avoids additional cost for concentrates and additives...

Your forage harvesting is the start for good and efficient milk and meat production.





High crop throughput

This exceptionally rugged chopping unit is one of the best methods for harvesting high quality fodder. The 450 mm wide intake system guarantees a huge crop throughput. Four aggressive feed rollers ensure optimum pre-compaction of the crop and transport it consistently to the flywheel. The flywheel is fitted with 10 blades and blowing paddles; this ensures precise cutting of the crop as well as a powerful blowing performance.



Powerful crop intake system

Two lower feed rollers plus two spring-loaded pre-compaction rollers on top ensure optimal compaction and a smooth, consistent crop flow. The compaction roller guides are designed for each roller to adapt itself separately depending on crop volume.

Low maintenance direct drive

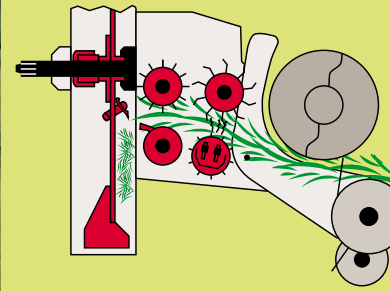
The feed rollers are driven by high-capacity PTO shafts and are individually protected from overload by slip clutches. The Profi models feature a metal detector, which immediately stops the crop intake the second it detects an obstacle.

Reversing system

Crop intake can be adjusted to forward, reverse or neutral by means of the electrohydraulically controlled reversing system. The intake auger of the pick-up is lifted hydraulically at the same time reversing takes place. This system allows any crop blockage to be cleared quickly using the handset in the tractor cab.

Easy adjustment of chopping length

By changing the gears in the gearbox, the operator can quickly adjust the chopping length within the range from 6 to 44 mm without having to use any tools.



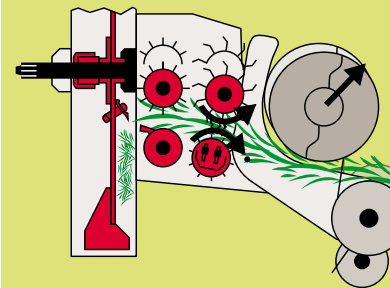
Maximum pre-compaction

The four feed rollers ensure a reliable and consistent crop flow.



Drive for feed rollers

The feed rollers are driven by high-capacity PTO shafts and are individually protected from overload by means of slip clutches.



Chopping length adjustment

By changing the gears in the gearbox, the operator can quickly adjust the required chopping length without having to use any tools.





Lely Storm – unrivalled harvesting quality, ultimate output and efficiency

The Lely Storm achieves an excellent ratio of power requirement versus throughput. Thanks to its low energy requirements, the machine ensures considerable saving of fuel and hence, environmentally-friendly forage harvesting. Ten blades and blowing paddles guarantee precise chopping plus powerful ejection for all types of crop.

Easy running plus unsurpassed harvesting quality

Due to the flywheel effect, these forage harvesters produce a great deal of kinetic energy, which ensures sudden increased loads are dealt with easily. Peak loads are levelled out and the r.p.m. rate remains consistent. Results: a consistent chop length and a 20% reduction in energy requirements.

Reduced risk of foreign objects

The massive flywheel, in combination with its complimentary housing have proven that the flywheel forage harvester is far less susceptible to intrusion of foreign objects than cylinder-type machines.

Exact and smooth chopping

The vertical chopping action along with ten special blades guarantees precise chopping ensuring optimal utilisation of energy throughout the chopping process.

Powerful and rapid filling of trailers

Thanks to the large flywheel diameter and ten blowing paddles, the crop is ejected consistently with tremendous blowing power. The blowing paddles feature adjustable wear plates that can be used on four sides. A standard double hinged ejection flap avoids extreme deflection of the crop flow and prevents blockages.



Optimal output through extra-large flywheel

The flywheel – with a 1.30 m diameter and ten blades and blowing paddles – optimises the chopping quality and ensures efficient and fast loading of trailers.

Shear bar can be used on both sides

The shear bar can be used on both sides; it has a tungsten-carbide coating and can be simply dismantled and reinstalled.



Simple grinding – always sharp blades

The easily operated knife sharpener gives knives an accurate, uniform edge. During grinding, the flywheel rotates at a low speed and the grinding disc is easily wound in to sharpen the blades. In next to no time, the blades are razor-sharp again. Thanks to the central adjustment, the flywheel is set to the ideal distance from the shear bar very quickly; simply unlock and adjust without any special tools!

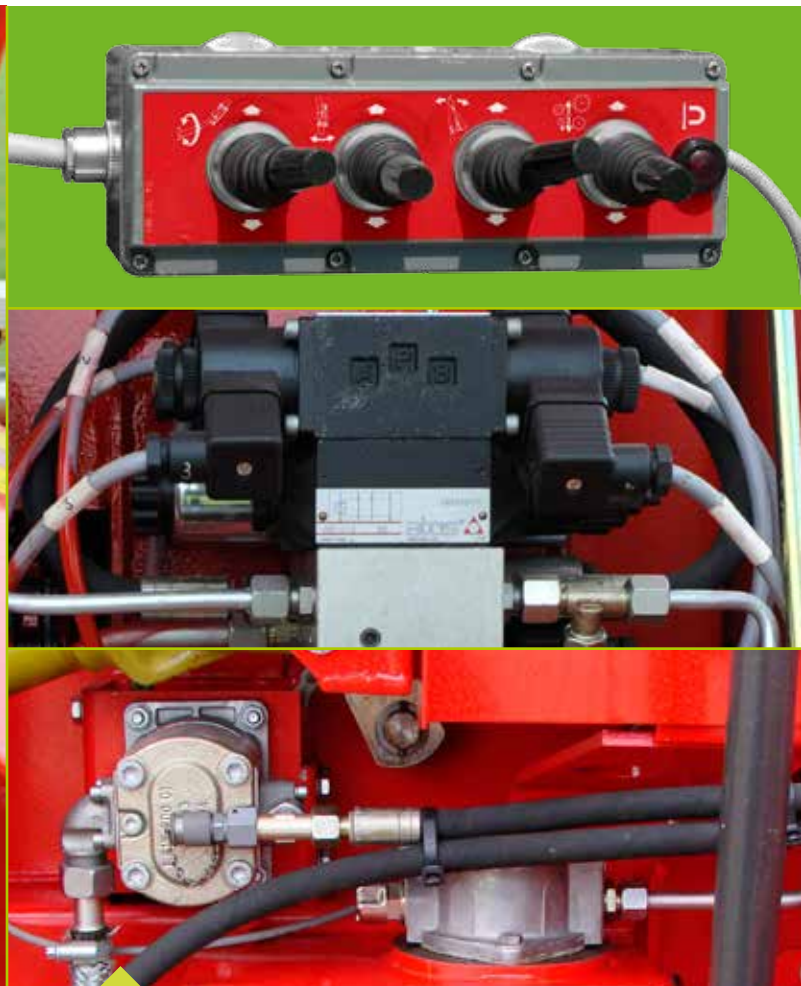


Quick sharpening using the on-board sharpening system

Thanks to the built-in sharpening system, the blades are sharpened in next to no time. The centrally adjustable flywheel is simply set to the shear bar without having to use special tools.

Unique on-board hydraulics

The on-board hydraulics ensure a precise and independent oil flow. A built-in oil pump with its own oil reservoir supplies the hydraulic power for raising the pick-up, reversing the drive, and spout rotation. All functions can be comfortably controlled from the electrohydraulic handset in the tractor cab.



On-board hydraulics

The on-board hydraulics of the machine ensure a precise and independent oil flow, among other things to raise the pick-up, reverse the drive or the rotation of the ejection spout.



Our experience can't be bought – that's why you get it for free!

You work with our machines in the great outdoors, an environment that is greatly influenced by the soil, weather and other external factors. New challenges are presented to machines every day. If you run into a problem it is essential that any breakdowns resulting from damaged parts are limited to an absolute minimum. It is for this reason that our dealers are geared up to respond rapidly, so that your activities can be resumed as soon as possible. They hold stocks of the most essential parts and have the expertise needed to get the machine in question performing optimally again. Furthermore, they can rely on the back-up of the Lely organisation seven days a week. So opting for Lely entails more than just choosing a machine. We ensure that your forage harvesting goes smoothly.





Lely Storm



130 P



75

Lely Storm 130 P

The Lely Storm 130 P combines a high crop throughput with minimal power requirements. The 130 P model can be driven from as little as 66 kW (90 hp). The four feed rollers create optimal compaction and ensure an uninterrupted and reliable crop intake. The flywheel – with a 1,300 mm diameter, ten adjustable blades and a shear bar that can be used on both sides – ensures optimal cutting quality as well as a long working life. Five or ten large blowing paddles with adjustable wear plates (that can be used on four sides) guarantee a powerful ejection.

TECHNICAL SPECIFICATIONS

LELY STORM	130 P	130 P Profi
Fly wheel diameter (mm)	1,300	1,300
Number of knives	10	10
Cutting length (mm)*	6 – 44	6 – 44
Min. power requirement (kW/PS)	66/90	66/90
Weight (kg)**	2,315	2,315

* with selector gearbox/depending on gear set

** with pick-up

Lely Storm 75

The feed intake system of the single-row maize forage harvester Lely Storm 75 features two self-sharpening, serrated cutting rotors to ensure clean chopping of the crop. Four feed rollers ensure optimal compaction and a consistent crop flow towards the flywheel. The 750 mm flywheel is fitted with 12 blades, which always remain sharp thanks to the built-in sharpening system. The Storm 75 model is mounted to the tractor's three-point linkage and hydraulics.

TECHNICAL SPECIFICATIONS

LELY STORM	75
Fly wheel diameter (mm)	750
Number of knives	12
Cutting length (mm)*	5.00 – 7.50
Min. power requirement (kW/PS)	52/70
Weight (kg)**	490

* with gearbox/depending on gear set

** with maize header



Lely Storm 130 P

The Lely Storm 130 P sets new standards for trailed forage harvesters. Due to their outstanding output and low maintenance these forage harvesters are the ideal machines for contractors and large farmers. Especially when harvesting grass, the Lely Storm 130 P model demonstrates its excellent performance in terms of harvesting and blowing, in all crop types and conditions.



Powerful and smooth drive

The flywheel is driven via a rugged V-belt. Variable and exchangeable pulleys make it possible to use several tractor PTO speeds and flywheel r.p.m. rates. This prevents the need to use an energy-absorbing and high maintenance rectangular gearbox.

Optimum chopping performance

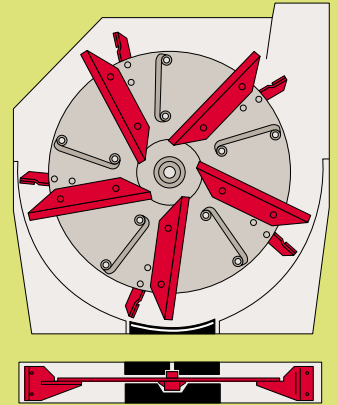
The speed (up to 775 r.p.m.) and the ten special blades of the flywheel guarantee an excellent chopping performance for any kind of crop. Five or ten blowing paddles with wear plates that can be used on four sides ensure a consistently powerful blowing force.

Tremendous ejection force

Five or ten special blades ensure a perfect short cutting action. Blowing paddles (ten as maximum) with wear plates that can be used on four sides guarantee optimum performance in terms of ejection and throughput. The bolted wear strips on the bottom of the flywheel housing are exchangeable.

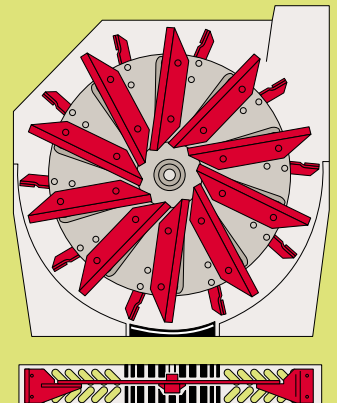
Optimal adjustment of coupling

The Lely Storm 130 P features a length-adjustable drawbar as well as a height-adjustable clevis yoke to ensure optimum attachment to the lift drawbar or tractor hitch. A stable and height-adjustable axle construction – with large tyres – ensuring good flotation under difficult conditions.



Large flywheel

The 1,300 mm flywheel can be fitted with five or ten blades and blowing paddles.



Laterally adjustable drawbar

Due to the laterally adjustable drawbar, the machine can be driven in the off-set position or in line with the tractor.



Exceptionally clean crop pick-up thanks to 1,800 mm pick-up

Wide swaths and short crops are picked up cleanly. Five tine bars and a short distance of 54 mm between the tines guarantee clean fields. The independent suspension of the pick-up, combined with the easily adjustable pick-up wheels, ensures that the pick-up adjusts to ground contours as well as following any swath flow by slight lifting. The large, spring-loaded auger intake guarantees a consistent crop flow. A slip clutch avoids overload. The pick-up can be lifted independently of the basic machine by means of a hydraulic ram.

Profi model

The Lely Storm Profi is fitted with a metal detector, which eliminates damage caused by metal objects. Immediately after a metal object has been identified, a double stop ratchet stops the intake rollers dead. The on-board hydraulics automatically switch the drive to the neutral position.



Exceptionally clean crop pick-up

Five tine bars and a short distance of 54 mm between the tines guarantee clean fields.

Metal detector

Immediately after a metal object has been identified, a double stop ratchet switches the intake rollers off.



Technical specifications

STORM	130 P	130 P Profi
Diameter cutting disc (m)	1.30	
Cutting disc speed (r.p.m.)	620	
Weight with pick-up (approx.) (kg)	1,730	
Number of knives	10	
Number of blower paddles	5	
5 Additional blower paddles	0	
Working width pick-up (m)	1.80	
Transport width with pick-up (m)	2.99	
PTO (r.p.m.)	1,000	
Power required with pick-up (kW/HP)	66/90	
Track width (m)	2.37	
Tyres	11.5/80-15.3 Imp 8 PR AW	
Theoretical cutting length with: (mm)	6.0 – 44.0	
Gears 12/30 // 15/26 // 19/22 // 18/23 // 23/18 5 (10) knives	12 (6) // 20 (10) // 28 (14) // 24 (12) // 44 (22)	
Gears 12/30	O	O
Gears 15/26	O	O
Gears 19/22	S	S
Gears 18/23 (23/18)	S	S
Electronic metal detection	X	S
Hydraulic spout rotation	S	S
Foldable spout	S	S
Onboard knife grinder	S	S
Cutting disc speed 550 r.p.m.	O	O
Extra spout length	O	O
Extra spout height	O	O
Trailer hitch	O	O
Hydraulic trailer hitch	O	O
Hydraulic drawbar	O	O

S = Standard / O = Option / X = Not available on this machine

280° spout adjustment

An electrohydraulic auger drive allows continuous adjustment while filling the trailer.



Spout elevation

Elevation of the spout by 250 or 600 mm is recommended for high sided trailers.

Spout extension

Extended spout for side filling.



Trailer hitch.

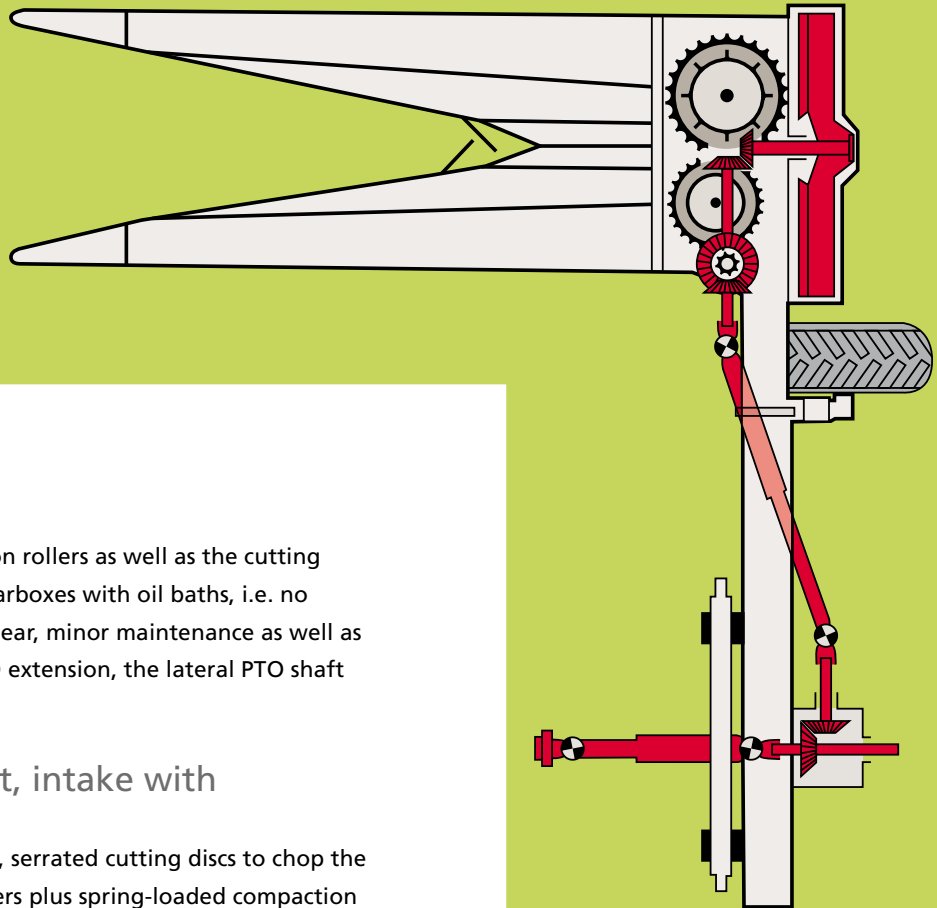
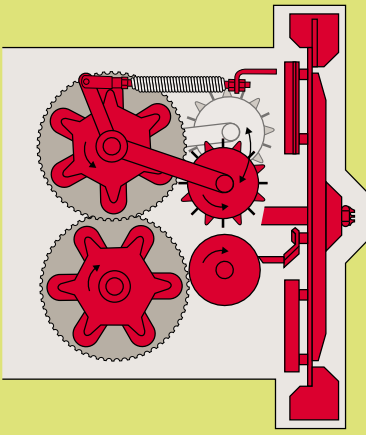
Hydraulic drawbar.





Lely Storm 75

The Lely Storm 75 model is the best possible proof that modern forage harvesting technique can also be very cost-positive. This harvester has seen more than 40 years of on-going development and still meets the latest technology requirements. Today, this model has evolved to offer the latest technology for small and medium-sized farmers. Giving them access to a level of technology that would not normally be expected in this class of machinery.



Unique drive

The flywheel, feed rollers and pre-compaction rollers as well as the cutting rollers are all driven from PTO shafts and gearboxes with oil baths, i.e. no chains at all. This means: minimal wear and tear, minor maintenance as well as optimum stability. For operations with a PTO extension, the lateral PTO shaft can be dismantled.

Self-sharpening chopping unit, intake with optimal pre-compaction

The Lely Storm 75 features two self-grinding, serrated cutting discs to chop the maize stalk in a clean manner. Two feed rollers plus spring-loaded compaction rollers ensure a steady crop flow towards the flywheel as well as optimal compaction before chopping. The feed rollers and pre-compaction rollers are driven from a maintenance-free gearbox with hardened spur gears plus oil bath. As standard, the torpedo feature tips for flat-lying maize. A device for lifting maize stalks is available as an optional extra.

Overload safety

The complete crop intake system is protected by means of an overload safety system. This means that a cumbersome change of shear pins is not necessary; harvesting can be resumed as soon as the blockage is freed.

Twelve blades for precise chopping

Thanks to its stable chopping unit, the Lely Storm ensures an excellent forage structure and hence, optimum quality. Twelve special blades, adjustable rasp bars as well as a tungsten-carbide coated shear bar (that can be used on two sides) ensure exact chopping of the crop. Cutting length can be adjusted easily and comfortably (5.00 or 7.50 mm) by means of the gearbox for chopping length adjustment.

Self-sharpening chopping unit

The Lely Storm 75 features two self-grinding, serrated cutting discs to chop the maize stalk in a clean manner.



Shredder plates for total crushing of ripe kernels

For operations in hard maize, two shredder plates – which can be inserted into the bottom of the flywheel housing – make sure that even kernels with a very high dry matter content are fully crushed.

Replaceable wear plate

The Lely Storm 75 shell plate is screwed so that it can be replaced easily when it is worn.

Sharpening and adjusting – simple, fast and efficient

Grinding and adjusting; mere child's play as well as extremely fast. Thanks to the built-in sharpening device, the blades are sharpened in next to no time. The centrally adjustable flywheel is easily set to the shear bar with one simple action.



Comfortable cable control

Both the spout and the ejection flap can be adjusted infinitely from the tractor cab by means of a cable control. A hydraulic spout adjustment is available as an optional extra.

Chopping length adjustment

Gearbox with oil bath, overload protection for crop intake system. Adjustment of chopping length: 5.00 or 7.50 mm.



Technical specifications

STORM	75
Diameter cutting disc (m)	0.75
Number of knives	12
Cutting disc speed (r.p.m.)	1,400
Weight with cornhead (approx.) (kg)	490
Minimal row distance (m)	0.50
Max. tractor width (m)	2.45
PTO (r.p.m.)	540
Power required (kW/HP)	52/70
Theoretical cutting length with: (mm)	5.00/7.50
Cat. II coupling	S
Onboard knife grinder	S
2 corn shredder plates	S
6 special scoops for kernel cutting	O
Gaugewheel	O
Hydraulic spout rotation	O
Foldable spout	S
Extra spout length	O
Turnable attachment for road transport	O
Trailer hitch	S
Low trailing point (hitch)	O

S = Standard / O = Option / X = Not available on this machine



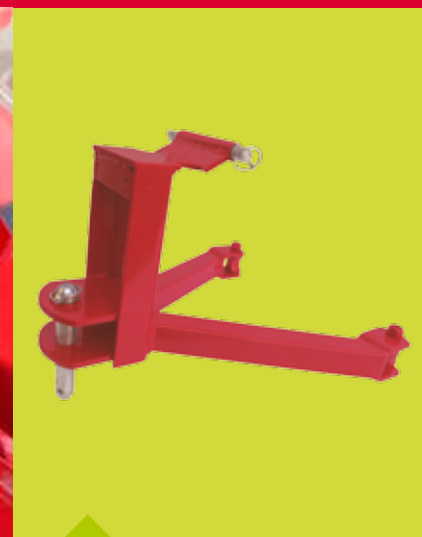
Gaugewheel
Pneumatic height adjustable tyres.



Hydraulic spout adjustment
With double acting hydraulic cylinder.



Special paddles
For improved kernel crushing.



Hitch extension
For trailers with low drawbar.



Passionate about farming

Lely has a long and deep history of recognizing the needs of modern farmers. Our products are developed with the cow as starting point. We strive to let her excel and as such, we supply products to farmers and contractors ranging from forage harvesting, to feeding, housing, caring, milking and energy sourcing. In addition we boast specific knowledge and experience in facilitating farmers to get the best out of their equipment. As such our in-depth knowledge of the complete farm cycle – from grass to glass – is unrivalled in the agricultural business.

We are committed to a sustainable, profitable and enjoyable future in farming.

Lely really cares for the environment.

Your Lely distributor

LHO B08014.EN.A

Lely, Astronaut, Astri, Atlantis, Attis, AWS, C4C, Calm, Caltive, Commodus, Compedes, Cosmix, Discovery, F4C, Fertiliner, Gravitor, Grazeway, Hibiscus, Hubble, Juno, L4C, Lely Center, Lelywash, Lotus, Luna, Nautilus, Orbiter, Quaress, Qwes, SAE, Shuttle, Splendimo, Storm, T4C, Tigo, Viseo, Vector, Voyager, Walkway and Welger are registered trademarks of the Lely Group. The right of exclusive use belongs to the companies of the Lely Group. All rights reserved. The information given in this publication is provided for information purposes only and does not constitute an offer for sale. Certain products may not be available in individual countries and products supplied may differ from those illustrated. No part of this publication may be copied or published by means of printing, photocopying, microfilm or any other process whatsoever without prior permission in writing by Lely Holding S.à r.l. Although the contents of this publication have been compiled with the greatest possible care, Lely cannot accept liability for any damage that might arise from errors or omissions in this publication.