

# LELY STORM P 300

Flywheel forage harvesters



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## 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 engineered 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.

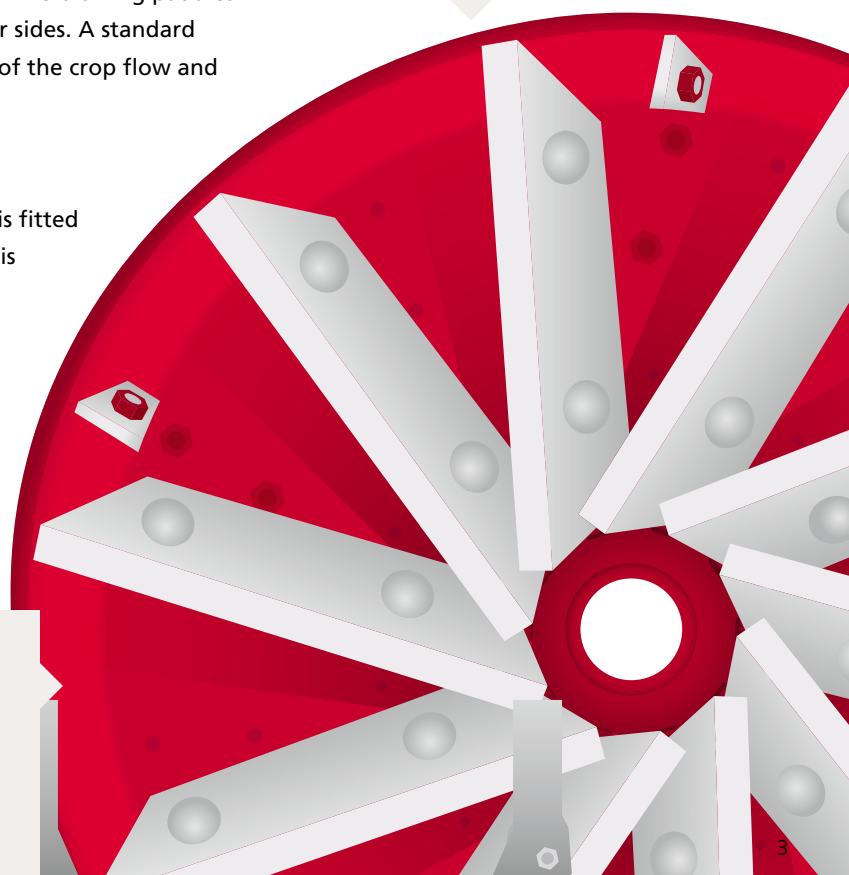
## NEW crop chute

The new chute is designed for filling large trailers and is fitted with 280 degree spout rotation as standard. The chute is hydraulically adjustable and foldable which makes it perfect for road transport and storage.



### 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.



## 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.



## New powerful and smooth drive

The new flywheel is driven with a rugged V-belt that can withstand up to 350 hp. The pulleys can be changed to different sizes to suit the tractor PTO speed and flywheel RPM rates. This prevents the need to use an energy absorbing and high maintenance rectangular gearbox.

## 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

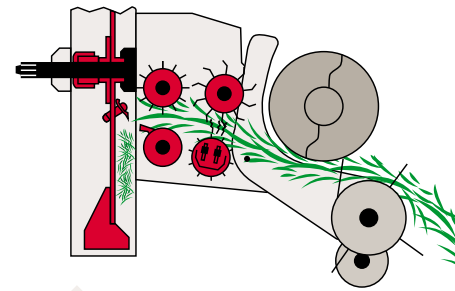
The feed rollers are driven by high-capacity PTO shafts and are individually protected from overload by slip clutches. The Profi models feature a metal detector, which immediately stops the crop intake the second it detects an obstacle.

## 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.





## The new PU220 camless pickup for more efficient chopping

The efficiency of a flywheel forage harvester is greatly dependent upon pick-up capacity. The newly developed camless pick-up with a working width of 220cm is unique as it has five tine bars. This feature enables the Storm 300 perform better, faster and more efficiently than other flywheel harvesters.



### Perfect crop pick-up with five extra-wide tine bars

The new camless pick-up of the Storm 300 is 220 cm in width and is fitted with five rows of tines mounted close together (only 54 mm apart). The rotational speeds of the intake and pick-up are perfectly coordinated to ensure excellent crop flow and an enormous pick-up capacity.

### Exceptionally clean crops thanks to 2.20 cm 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.



## Lely Storm P 300

The Lely Storm P 300 is an excellent alternative to self-propelled harvesters. By simply changing the front attachment, the machine can be used for both maize and grass silage. This carefully engineered high-performance flywheel forage harvester requires less power and ensures an unrivalled blowing performance when compared to a cylinder-type harvester.





## Row-independent maize header

The row-independent maize header with a 2,20 m working width (four three of 75 cm) cuts in the free space, so that the field can be cut in any direction. A V-belt ensures the drive of the crop dividers which guarantee optimal intake, also in case of a flat-lying maize crop. The drive comes through a PTO shaft straight from the forage harvester's drive line. The maize header can be lifted, independently of the basic machine, by means of two hydraulic rams.

## Optimum chopping performance

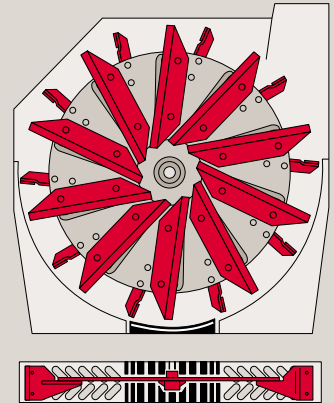
The speed (up to 1,000 r.p.m.) and the 10 special blades of the flywheel guarantee an excellent chopping performance for any kind of crop. Five or ten blowing paddles with wear plates that can be used on four sides ensure a consistently powerful blowing force. Sliding shredder plates and exchangeable shredder strips ensure that all kernels are bruised and guarantee quality forage when harvesting silage maize.

## Lely Storm P 300 Profi

The Lely Storm P 300 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 hydraulics automatically switch the drive to the neutral position.

## Load sensing hydraulic with ISOBUS control

The combination of the new load sensing hydraulics and electronic enabled ISOBUS control make for a comfortable working environment. The Lely Storm comes with the new E-Link control terminal as standard.



## Standard features

### 280° spout rotation

An electro-hydraulic auger drive allows continuous adjustment while filling the trailer



### Hydraulic foldable spout

Perfect for road transport and storage



### Hydraulic drawbar

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



### Short crop roller

The impact plate with the crop roller provides even better crop pick-up



### Integrated grinding system

The easily operated knife sharpener gives knives an accurate, uniform edge.

## Accessories



Trailer hitch



### Spout extension

Extended spout for side filling.

### Shredder plates (grain)

Two extra friction strips for optimum grain crushing.



### Lighting kit



Ball head coupling K80

### Filler plate (maize)

For optimum grain crushing.



# Technical specifications

<b>Lely Storm</b>	<b>P 300</b>				<b>P 300 Profi</b>
Diameter cutting disc (m)	130				130
Cutting disc speed (r.p.m.)	620				620
Number of knives	10				10
Number of blower paddles	5				5
5 Additional blower paddles	0				0
Filler plate (maize)	0				0
2 Schredder plates (Maize)	0				0
Working width pick-up (m)	2,2				2,2
Working width maize header (m), / rows	2,2 / 3				2,2 / 3
Weight with pick-up (approx.) (kg)	2460				2460
Weight with maize header (approx.) (kg)	2490				2490
Transport width with pick-up (m)	3,15				3,15
Transport width with maize header (m)	3,2				3,2
Track width (m)	2,33				2,33
Tyres standard	11.5/80-15,3				11.5/80-15,3
Tyres optional	15.0/55-17				15.0/55-17
PTO (r.p.m.)	1000				1000
Power required with pick-up (kW/HP)	66/90				66/90
Power required with maize header (kW/HP)	110/150				110/150
Theoretical cutting length with: (mm)	6-44				6-44
Gears	12/30	15/26	19/22	23/18	18/23
Cutting length 10 knives (mm)	6	10	14	12	22
Cutting length 5 knives (mm)	12	20	28	24	44
Gears 12/30	0				0
Gears 15/26	0				0
Gears 19/22	S				S
Gears 18/23 (23/18)	S				S
Electronic metal detection	X				S
280° Hydraulic spout rotation	S				S
Hydraulic foldable crop chut	S				S
Onboard knife grinder	S				S
Extra spout length	0				0
Trailer hitch	0				0
Hydraulic trailer hitch	0				0
Hydraulic drawbar	S				S
Ball head coupling K80	0				0
Lighting kit	0				0

