LELY WELGER

High-density balers

www.lely.com

innovators in agriculture

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 cows.

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.

Lely Welger AP 530-830

Our experience, gained from over one hundred thousand balers and knowledge of the most modern production technologies, is used in every single one of our balers. Tried-and-tested technology, stable constructions and professional processing lead to machines that cannot be beaten in terms of reliability and value for money.

Main drive with overload protection
Two friction clutches, one in front of and one behind the flywheel, protect the universal joint and the tractor as well as the baler drive. On the Welger AP 530 and AP 630, an additional shear bolt protects the drive, should an unforeseen blockage occur. On the Welger AP 730 and AP 830, this function is fully automated with an auto-reset clutch.

Pick-up tine bars fitted with ball bearings
In contrast to many other manufacturers, Lely uses strong, maintenance-free ball bearings for the tine bars. This high-specification construction quickly pays off in terms of the service life.

The double tines, made out of particularly high-quality spring steel, also have special tine support plates. This feature also substantially increases the lifetime of the tine.

Chainless drive
The packers and knotters must run in perfect synchronisation with the ram. Whilst competitive balers use chains to drive these components, Lely balers are fitted with torsion shafts and angular gears.

The timing of the packers, knotters and ram, which is set in production, cannot move, whereas on other makes, every time a chain is adjusted the timing is altered.


LELY WELGER AP 730
LELY
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Lely Welger

AP 530

AP 630

AP 730

AP 830

Lely Welger AP 530

This machine is fitted with automatic safety features and is both simple and easy to operate.

TECHNICAL SPECIFICATIONS

WELGER	AP 530
Channel dimensions (cm)	36 x 48
Bale length (m)	0.50 – 1.20
Twine box capacity	8
Pick-up working width (DIN 11220) (m)	1.62
Weight (kg)	1,700
Width (m)	2.52

Lely Welger AP 630

Above-average bale densities, as well as the comprehensive standard equipment such as a hydraulic pick-up lift and a pick-up guide wheel, turn this baler into a really high-performance machine.

TECHNICAL SPECIFICATIONS

WELGER	AP 630
Channel dimensions (cm)	36 x 49
Bale length (m)	0.50 – 1.20
Twine box capacity	14
Pick-up working width (DIN 11220) (m)	1.74
Weight (kg)	1,870
Width (m)	2.65

Lely Welger AP 730

This machine's chassis is specially constructed for high performance combined with high bale densities. Naturally, this baler is fitted with fully automatic overload protection in all areas.

TECHNICAL SPECIFICATIONS

WELGER	AP 730
Channel dimensions (cm)	36 x 49
Bale length (m)	0.50 – 1.20
Twine box capacity	14
Pick-up working width (DIN 11220) (m)	1.74
Weight (kg)	2,110
Width (m)	2.65

Lely Welger AP 830

With a more than two metre wide pick-up and in connection with the triple cross feed packer system, this machine has a performance capability that is unrivalled in this kind of baler. Both feed suppliers and owners of large combines appreciate the high bale density and perfect bale shape.

TECHNICAL SPECIFICATIONS

WELGER	AP 830
Channel dimensions (cm)	36 x 49
Bale length (m)	0.50 – 1.20
Twine box capacity	18
Pick-up working width (DIN 11220) (m)	1.99
Weight (kg)	2,210
Width (m)	2.95

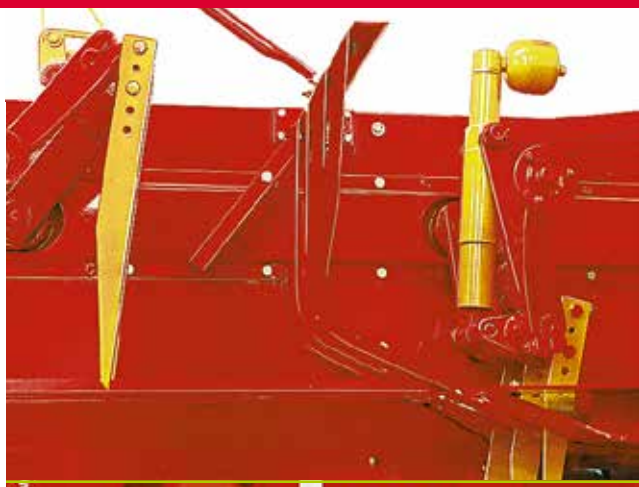
Secure synchronised chainless drive

In order to guarantee the accurate timing of all components over the entire lifetime of a baler, the packers and knotters are driven entirely via torsionally rigid shafts and gears. From the main hypoid gearbox, the drive is transmitted via a drive shaft and angular gear to the packer, knotter and needle drive. No chains or belts are used; even the pick-up is driven by a shaft. This increases reliability as well as minimising the amount of maintenance work required. Complex work with tensioning and lubricating chains/belts is a thing of the past.

Efficient Packer Feed

The Packer Feed consists of two self-deflecting packers (the Welger AP 830 has three) which prevent blockages caused by foreign objects and damage to the machine.

The self-deflecting packers, which do not require the normal shear bolt, can deflect in the case of an overload and then automatically reposition themselves ready for operation. After several ram strokes, the blockage will be cleared. The benefits are clear due to the use of a patented hydro packer, a further development of the tried-and-tested self-deflecting packers.



Automatic needle drive

A double clutch ensures that the synchronised timing process is accurate during normal operation of the baler. Should the machine be reversed, the needles will be driven out of the bale chamber. This device is fully automatic and makes complicated ram-stop devices unnecessary.

Compact knotter

Our experience, gathered from making more than one hundred thousand balers, has been implemented in this area too. Just to name one of the many remarkable benefits: the bearings of the knotter device are completely maintenance free. Sealed-for-life bearings make lubrication devices, which are often used in this area and which are subject to malfunctions, unnecessary.

Equipment for professionals

The easy opening and large guards which make all areas accessible are advantageous during maintenance and repair work. To supplement the already high specifications of the standard machines, there is a range of accessories available. An example of this is the hydraulic drawbar device, which allows the driver to move the machine easily from the transport to the working position.

Bale thrower P 23

The bale thrower P 23, available for all Lely Welger high-density balers, is an accessory available to farms where just one employee brings in the bales. The thrower, driven via its own hydraulic system, allows maximum use of the baler's performance, as it is no longer restricted by the speed of a manual worker during loading. Using a Bowden cable control, the throwing range can be adjusted easily.

This can be calculated according to the bale weight as well as the position of the trailer. The bale thrower can be adjusted using the specialised hydraulically operated drawbar device. This achieves an even loading of the trailer, even in poor conditions, i.e. side winds or steeply sloping fields. In a few easy steps, you are able to convert to normal field ejection.

Advantages:

- Field clearance by just one person.
- Optimum loading of the transport trailer via the thrower range control.
- The side pivot device allows optimum trailer loading, even in strong side winds or on steep slopes.
- Can also be converted to normal field ejection.

Foldable bale chute

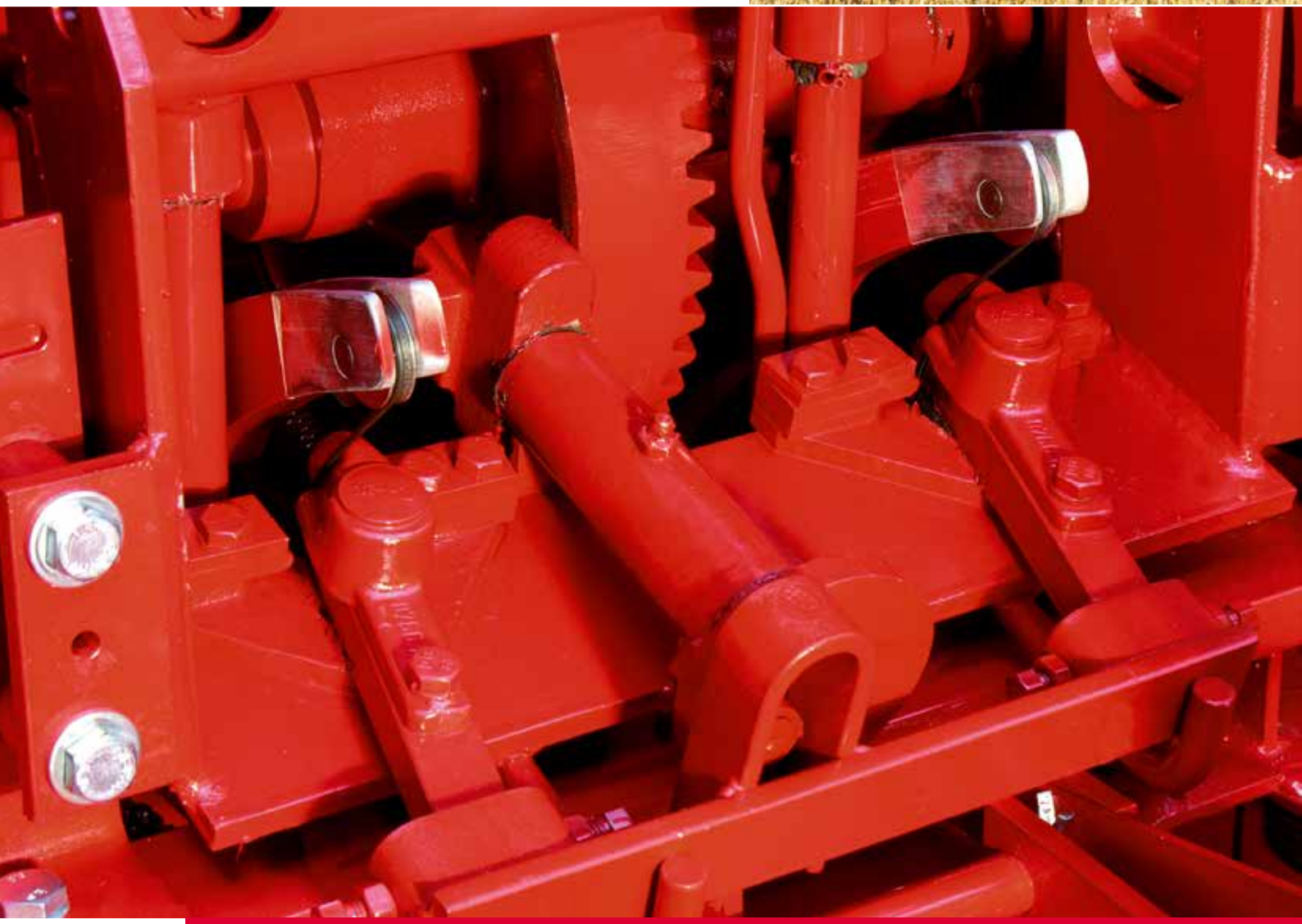
The bale chute and the trailer hitch allow swift clearance of fields. Due to the bale chute being easily foldable, the machine can be converted quickly from its compact transport size to field ejection.

This is aided by the hydraulically operated drawbar device installed on the Welger AP 730 and the AP 830 as standard equipment, meaning that the machine can be moved quickly and easily from the transport to the working position.

The knotter – robust and reliable

All Welger AP machines in this range are available with the option of a wire-tying system. This system is well known, as is the twine unit, for its sturdiness and functional reliability.

The use of wire as a tying material is also advantageous when the bales are used, as the steel wire can be magnetically removed.



Technical specifications

LELY WELGER	AP 530	AP 630	AP 730	AP 830
Channel dimensions (width x height) (cm)	36 x 48	36 x 49	36 x 49	36 x 49
Bale length (m)	0.50 – 1.20			
Bale weight* (kg)	12 – 35			
Tying material sisal/running length (m/kg)	125 – 200			
Tying material plastic/running length (m/kg)	250 – 400			
Tying material consumption per 100 bales** (m)	504			
Twine box capacity	8	14	14	18
PTO shaft (rpm)	540			
Number of ram strokes (min.)	100	90	90	90
Packers in the cross feed	2	2	2	3
Pick-up working width (DIN 11220) (m)	1.62	1.74	1.74	1.99
Pick-up rake width (m)	1.42	1.54	1.54	1.79
Tine rows	5	5	5	5
Tines per row	21	25	25	29
Spacing between tines (mm)	71	64	64	64
Weight (kg)	1,700	1,870	2,110	2,210
Transport length (m)	4.65	5.30	5.60	5.60
Transport width (m)	2.52	2.65	2.65	2.95
Height (without loading chute) (m)	1.63	1.67	1.67	1.67
Tyres left	10.0/75-15.3	10.0/75-15.3	11.0/80-15.3	11.0/80-15.3
Tyres right	7.00-12	7.00-12	8.00-12	8.00-12
Track width (m)	2.24	2.35	2.35	2.60
Roller ram	S	S	S	S
Maintenance-free compact knotter (twine-tying)	S	S	S	S
Shaft drive	S	S	S	S
Automatic overload protection	S	S	S	S
Pick-up lifting device	S	S	S	S
Twine knotter	S	S	S	S
Bale counter	S	S	S	S
Drawbar with adjustable height set-down support/towing ring 30 mm Ø	S	S	S	S
Bale guide plate	S	S	S	S
Tyres 8.00-12. 11.5/80-15.3	O	O	X	X
Tyres 10.00-12. 15/55-17	X	O	O	O
Universal joint	S	S	X	X
Universal joint with free wheel	O	O	S	S
WW universal joint both sides, with free wheel	O	O	O	O
Trailer hitch device	O	O	O	O
Foldable loading chute	O	O	O	O
Bale thrower P 23 with hydraulic drive	O	O	O	O
Side pivot device P 23 with electrical adjusting motor	O	O	O	O
Pick-up head plate	O	O	O	O
Pick-up guide wheel	O	S	S	S
Hydraulic pick-up lifting device	O	S	S	S
Lighting system	O	O	O	O
Wire knotter	O	O	O	O

* Dependent on bale length and bale density.

** For a medium bale length of 0.80 m.

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

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