



Drum Mowers
PZ SERIES





Summary

04 PZ SERIES

For a clean cut

06 PZ 170 | 190 | 220

As reliable and economical as the big mowers

08 PZ 2721 F | 3021 F | 3221 F

Success through experience

12 TC 320

A conditioner for silage or hay harvesting

16 PZ 3015 LIFT-CONTROL

A sophisticated solution for challenging conditions

20 PZ 8831 LIFT-CONTROL

High output and easy towing

22 Technical specifications

PZ SERIES

Drum Mowers

GRASS HARVESTING AT ITS BEST

MOWING IS THE FIRST AND VERY IMPORTANT STEP IN THE PROCESS OF PRODUCING HAY OR SILAGE. A CLEAN CUT AND A PERFECT SWATH ARE YOUR MAIN CONCERNS. THE PROVEN DESIGN OF KUHN PZ DRUM MOWERS IS COMBINED WITH NEW, INNOVATIVE SOLUTIONS. OFFERING YOU EXCELLENT MOWING PERFORMANCES AND OPTIMAL FORAGE QUALITY.



60 YEARS OF EXPERIENCE

PZ mowers build on a legacy that goes back 60 years to the introduction of the world's first drum mowers. The new generation of KUHN PZ drum mowers has been developed using a combination of experience and the most up-to-date mowing quality, technology and design engineering.

INNOVATIVE SOLUTIONS

The well-known features of the KUHN PZ drum mowers have been complimented by new solutions like the LIFT-CONTROL suspension system and the FLEXPROTECT protective side covers. The result is a complete range of front, rear and triple drum mower units delivering you high performance, every day.

HIGH-QUALITY FORAGE

When harvesting forage, it is important to minimise impurities in the feed. The proven knife plate design of the PZ mowers offer you a clean swath formation and a cleaner product. Resulting in better feed quality, higher milk and meat production and thus higher profitability for your farm.

FOR A CLEAN CUT

Delivering a clean cut and creating a neat and fluffy swath, that is number one priority when mowing your grass or other crops for hay or silage. KUHN PZ drum mowers are uncompromising in performance and output. The proven design with its uneven or large sized diameter knife plates guarantees a clean swath formation, a cleaner product, perfect ground adaptation and high throughput with little PTO power requirement.



Model	Working width (m)	No. of drums
PZ 170	1.65	2
PZ 190	1.85	2
PZ 220	2.10	2
PZ 2721 F	2.69	4
PZ 3021 F	3.04	4
PZ 3221 F	3.19	4
TC 320	1.80	-
PZ 3015	3.04	4
PZ 8831	8.30/8.54/8.84	8



Height adjustment

On rear mounted models, the cutting height can be adjusted easily by adding or removing spacers. The PZ front mower range features a continuous cutting height adjustment on top of the mower so the operator can set the optimum cutting height in changing conditions in an easy and safe way. For example, you can mow a little higher in the autumn in order to reduce soil contamination in your forage.



EXCLUSIVE

Flat sided drums

Round drums do not transport well. That is why KUHN uses drums with two flat sides for optimal crop transport without the risk of blockage. Movement of the crop has an impact on the mowing quality. The exchangeable transport strips enable you to adjust the amount of strips to the conditions and protect the drums from wear.

Optimal protection with FLEXPROTECT

Damage to the side covers is now a thing of the past. The patented* KUHN FLEXPROTECT side covers are adding a new dimension to mowing with their design made of polythene. On encountering any obstacles, the material of the side cover bends, without breaking or damaging the mower. The material then returns back to its original shape. FLEXPROTECT side covers are integrated on all PZ mowers, except for the PZ 170, 190 and 220.



Rotating saucers

The freely rotating saucers have a major advantage. In uneven ground conditions, the saucer 'rotates' over the ground rather than sliding, thus protecting the stubble and reducing PTO power requirement. The positive effects of reduced crop contamination will be particularly noticeable on sensitive soils such as boggy land.

EXCLUSIVE

Quick knife exchange

The unique knife changing system enables quick knife exchanges with minimal force and maximal security. Using the special tool, you can push the knife holder down and simply replace the knives. In addition, the system is insensitive to pollution and wear.

Easy access to the drums

The front cover can be folded away, allowing easy access to the blades. This is perfect for daily inspection and mower maintenance.

*Patent or patent pending in one or more countries.

PZ 170 | 190 | 220

AS RELIABLE AND ECONOMICAL AS THE BIG MOWERS

With the three models of drum mowers PZ 170, PZ 190 and PZ 220, KUHN provides high-quality technology at working widths of up to 2.10 m. These drum mowers are suitable for small and medium-sized farms. Their long-life and easy and safe operation are the key attributes of these machines.



Safety break back system

On hitting an obstacle, the mower unit pivots back, thus absorbing the impact. Reversing the tractor re-engages the safety system, and the mower unit is set back into the work position.



Working-transport position

Without leaving the tractor seat, the PZ mower units can be put easily into the transport position behind the tractor. An optional hydraulic folding cylinder is available for improved weight distribution during transport mode.





Compensation springs

Compensation springs are fitted as standard to transfer the weight from the mower unit to the tractor in order to keep ground pressure as low as possible.



Easy hitching

The PZ 170, 190 and 220 can be hitched easily to every tractor with Cat. 1 or 2 linkage pins. KUHN can provide a special adapter to fit wider tractors.

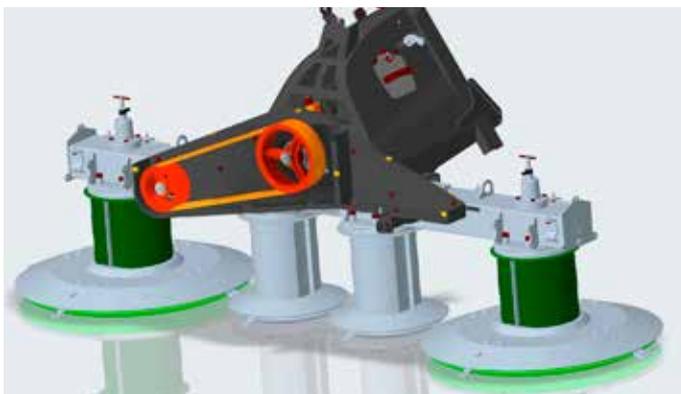




PZ 2721 F | 3021 F | 3221 F

SUCCESS THROUGH EXPERIENCE

KUHN PZ 1021 F series front drum mowers stand for optimal mowing performance in the most challenging conditions. The proven features of PZ mowers are complimented by new solutions to meet today's and tomorrow's demands. The stable and rigid mainframe together with a robust driveline make this mower suitable for both regular and larger tractors.



A smooth start-up

The reliable V-belt driveline protection ensures an easy start-up of the machine. The V-belt drive with large bearings and axle can transfer 30 % more power than previous models. This makes the mowers suitable for both regular and larger tractors.



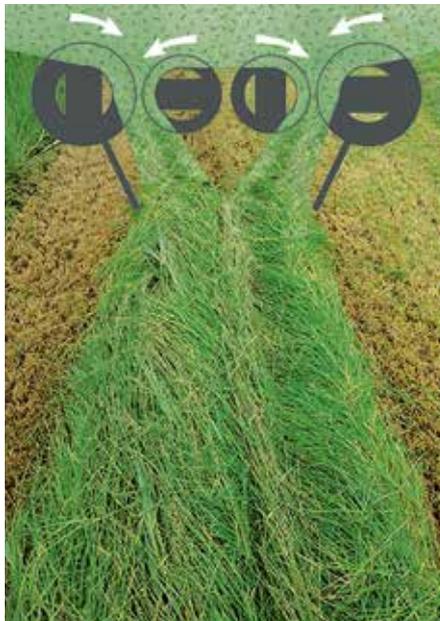
PATENTED

Modern design with FLEXPROTECT flexible side covers

On hitting an object, the redesigned patented* KUHN FLEXPROTECT side covers bend to prevent damage to the mower. The material then returns back to its original shape. Very useful when mowing around poles or along around the edges of a field! The mower features standard integrated warning signs and LED road lights.

PZ 3221 F: large working width and a narrow swath

The PZ 3221 F provides a large 3.19 m working width, combining low machine weight with a narrow swath. This makes this mower the ideal solution for working in hilly conditions with tractors equipped with double tyres. The large working width prevents driving over un-cut grass and the narrow swath is positioned within the tractor wheels. Another efficient use of the PZ 3221 F is when working with large loading wagons, creating a high-capacity fresh grass feeding combination every day, all year round.



User comfort

All operator handlings are easy to perform. The unique knife changing system enables quick knife exchanges with minimal force. The continuous height adjustment allows you to set the optimum cutting height in changing conditions in an easy and safe way. Robust drive units with spiral-toothed gears give maximum power transfer at a comfortable sound level, benefit for both the driver and the environment.

Creating a narrow swath

The typical PZ 'big & small' knife plate layout provides a narrow swath, secured via the standard swath discs. Another advantage of this typical layout is the very low power requirement thanks to the large throughput opening between the drums. This narrow swath fits within the tractors tyres and prevents damage and contamination of the cut crop.

Headstock choice

You have two choices of headstock to fit your working conditions. The fixed headstock enables ground adjustment in the driving direction via the optional telescopic top link. The pendulum headstock enables ground adjustment in the driving direction via an integrated telescopic top link and 8.5° adjustment perpendicular to the driving direction via the linkage arms.

OVERVIEW



1. V-belt drive with large 40 mm bearings & strong mainframe



2. PZ 2721 FE - An economical approach to mowing (working width 2.7 m)



3. Continuous height adjustment



4. Knife changing system with special tool and knife holder



4



6. Fixed headstock



5. Standard swath discs securing a narrow swath



6. Pendulum headstock

OPTIONS



FLEXTOP flexible top link connection
(only in combination with a fixed headstock)



FRONTFLEX telescope top link
(only in combination with a fixed headstock)



Hydraulic folding of the side guards



Extension set



740 rpm set



Additional swath disc set

TC 320

A CONDITIONER FOR SILAGE OR HAY HARVESTING

The KUHN TC 320 3-point mounted conditioner offers you extreme flexibility and high performance for all crop types and in all conditions. Hay or silage, flat or steep slopes, this independent conditioner guarantees you high quality products.

The TC 320 has a low horsepower requirement. The pick-up rotor collection system guarantees optimal preservation of the nutritional value of your crop and offers high versatility in terms of crop types. The well-thought design makes the conditioner suitable for all terrain and weather conditions whilst ensuring a long service life.





Adjustable spreading width

The adjustable hood enables you to create a narrow swath of 1.00 m or opt for wide spreading up to 3.10 m instead.



Conditioner intensity adjustment

The conditioning effect and intensity can be easily adjusted by moving the lever which brings the plate closer or further away from the rotor. The conditioning rotor speed can be matched to the actual weather and field conditions by selecting 815 or 650 rpm. It is just a matter of changing the sprockets.



Excellent ground following

The fixed headstock with oscillating lower link pins allows the machine to follow the ground contours whilst the machine stays in line with the tractor, even on steep slopes. Large pivoting wheels are situated close (16 cm) to the conditioner for perfect ground adaption. They are independent from the conditioner and fixed onto the headstock frame. This eliminates additional stress on the conditioner and results in an extended service life.





PZ 3015 LIFT-CONTROL

A SOPHISTICATED SOLUTION FOR CHALLENGING CONDITIONS

Suitable for medium and large-sized farms, the PZ 3015 is designed for excellent ground following and top mowing performance, even in the most challenging conditions. The machine is based on a sophisticated headstock design - along with the typical PZ knife plate layout. The PZ 3015 is equipped with modern solutions to meet tomorrow's demands: LIFT-CONTROL mower suspension, a unique and efficient knife changing system for quick knife exchange and an optional parking stand for vertical storage to optimise floor space.





Excellent ground following

The trailed linkage geometry of the PZ 3015 headstock provides excellent ground following in all circumstances, even on slopes and banks up to 25°.



EXCLUSIVE

LIFT-CONTROL

The LIFT-CONTROL hydro-pneumatic suspension system continually ensures a uniform ground pressure and a lower pulling power requirement. The system minimises crop contamination and maximises stubble preservation. The combination of the trailed linkage geometry and LIFT-CONTROL creates a safety breakaway system for superior machine protection and non-stop mowing.



PATENTED

FLEXPROTECT flexible side covers

The new KUHN design includes redesigned and patented* FLEXPROTECT flexible side covers. On encountering any obstacles, the material of the side cover bends, without breaking or damaging the mower. The material then returns back to its original shape.



Perfect swath formation

The proven PZ design with its uneven sized diameter knife plates has great benefits: a clean swath formation, less crop contamination, perfect ground following and high throughput with a low PTO power requirement. The arrangement of the drums has the added advantage that it is fuel-saving. Swath discs are available as an option.



Maximum operator comfort

All features on the PZ 3015 are designed for maximum operator comfort. The sophisticated headstock design ensures easy folding and unfolding and a safe road transport. Easy access and cleaning is offered by the foldable side guards. The side cover lock is simple and effective in both work and service position.



Comfortable and safe road transport

For stable transport the machine has a folding transport position of 128°, the weight of the machine is placed more evenly between the rear wheels. This increases the safety and comfort in transport significantly and the tractor lights are always visible. The trailed linkage geometry enables a low transport height of 3.6 m, with a ground clearance of 0.5 m.

*Patent or patent pending in one or more countries.

OVERVIEW



1. Heavy-duty driveline with spiral-toothed gears for a comfortable operating noise level



2. Headstock with trailed linkage geometry



3. Redesigned and patented* FLEXPROTECT flexible side cover



4. Knife changing system with special tool and knife holder

*Patent or patent pending in one or more countries.



OPTIONS



Swath disc set



Linkage pins to adjust the overlap 75mm



Parking stand for vertical storage



5. *Foldable covers*



6. *Height adjustment with spacers*

HIGH OUTPUT AND EASY TOWING

High capacity with a low power requirement is what characterises the KUHN PZ 8831 Triple Drum Mower. Due to its compact design and low power requirement the machine is suitable for tractors as from 85 kW (116 hp). Moreover, PZ mowing units perform outstandingly in all crops and even in the most challenging conditions. The freely rotating saucers make this mower very easy to tow.



Optimal user comfort and versatility

PZ mowing units are known for their high performance in challenging crop and soil conditions. The renewed design features a heavy-duty driveline with spiral-toothed gears to maintain a comfortable sound level and integrated freewheel clutches for minimal maintenance.



Compact design for best weight transfer

The PZ 8831 has a weight of 2000 kg. With one front mounted mower and two mowers attached to the rear of the tractor, this mower combination ensures an excellent weight transfer for the best maneuverability in sloping terrain. The compact design of the headstock makes the PZ 8831 a perfect fit for middle class tractors. Thanks to the robust design of the driveline, it is also suitable for larger horsepower class tractors.



EXCLUSIVE

LIFT-CONTROL

The PZ 8831 is fitted as standard with a hydraulic safety break back system. On hitting an obstacle, the mower units move upwards and backwards, independently of each other. This hydraulic break-back system also controls the ground pressure hydro-pneumatically.

Reverse drive combination

With minor adjustments and an optional attachment kit for the front mower, it is possible to use the PZ 8831 triple mower in a reverse drive combination.



Adjustable working width and overlap

The working width of the mower can be adjusted to 3 different sizes: 8.30 m, 8.54 m and 8.84 m. This enables you to work with front mowers of different working widths and allows you to choose the right overlap when working on slopes.



Single-side mowing

The two rear units of the mower combination can be lifted independently, allowing you to cut only the remaining crop. The functional hydraulic valve comes as standard.



EXCLUSIVE

Detachment in folded-up position

The PZ 8831 mower can be detached and stored in folded-up position on the integrated supports. This saves considerable space in your shed or yard when storing the mower.

Technical Specifications

	PZ 170	PZ 190	PZ 220
Working width (m)	1.65	1.85	2.10
Transport width (m)	1.40	1.50	1.60
Linkage	Cat. 1 - 2		
Number of drums	2		
Number of knives	6		8
Cutting height adjustment	spacers <		
Cutting height adjustment range (mm)	12 <	16 <	
Road light kit	<		
Swath discs	(1x) <		
Hydraulic folding of the side guards	-		
PTO speed (min ⁻¹)	540		
Tyres			
Weight min - max (kg)	335 - 385	415 - 465	500 - 550
Minimum required tractor hydraulic connections	-		
Minimum PTO power requirement kW(hp)	20(27)	25(34)	30(41)

◆ as standard < optional - unavailable



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.

PZ 3015	PZ 8831	PZ 2721 F	PZ 3021 F	PZ 3221 F	TC 320
3.04	8.30 - 8.54 - 8.84	2.69	3.04	3.19	1.80
2.30	3.00	2.60	2.95	3.10	2.55
Cat. 2		Cat. 2 A-frame			Cat. 2
4	8	4			-
12	24	10	12		-
spacers ◀		continuously			-
44		45			-
▶		▶ (LED)			◊
(2x) ◊		(2x) ▶ / (+2x) ◊			-
	▶	◊	◊	◊	-
1000		1000 ▶ / 740 ◊			540 / 1000
-					6.00-9 6PR
940 - 1000	2000 - 2100	660 - 730	710 - 780	740 - 810	425 - 475
1x DA + 1x SA		-			
55(75)	85(116)	40(54)	45(60)	48(65)	18(24)

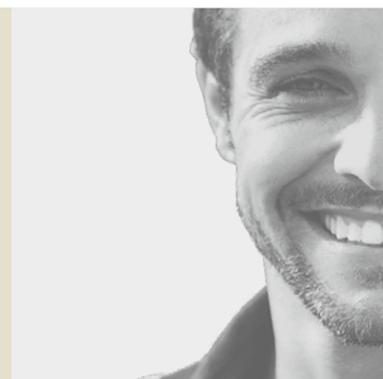
KUHN SERVICES*

KUHN sos order - Express spare parts service 24/7

KUHN protect+ - The choice of professionals!

KUHN i tech - For ever quicker repairs!

KUHN finance - Invest rationally!



*Not all services and equipment are available in every country.

MyKUHN

THE LINK TO MY SUCCESS

MyKUHN is your on-line customer space. Sign up now and discover how the exclusive services offered by MyKUHN will facilitate the management of your fleet of KUHN machines and terminals as well as help you maximize their performance. Once identified, on computer, smartphone or tablet, you will have access to parts catalogs, technical documentation and numerous connected services.



Check out KUHN's disc mower range as well:



1. Front-mounted disc mower conditioners - 2. Trailed disc mowers - 3. Rear-mounted disc mowers - 4. Rear-mounted disc mower-conditioners - 5. Triple gang combinations - 6. Trailed mower-conditioners

KUHN NORTH AMERICA, INC. - Corporate Headquarters - 1501 West Seventh Avenue - P.O. Box 167 - Brodhead, WI 53520-0167 USA

KUHN NORTH AMERICA, INC. - 1501 West Seventh Avenue - Brodhead, WI 53520 - USA

KUHN FARM MACHINERY PTY. LTD - 313-325 Foleys Road - Deer Park, VIC, 3023 - Australia

KUHN FARM MACHINERY (U.K.) LTD - Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

KUHN-GELDROP B.V. - Nuenenseweg 165 - P.O. Box 9 - 5660 AA Geldrop - The Netherlands

For more information about your nearest KUHN dealer,
visit our website www.kuhn.com

Information given in this document is only for information purposes and is non-contractual. Our machines are in compliance with regulations in force in the country of delivery. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be in position in accordance with the requirements indicated in the operator's manuals and assembly manuals. Respect the tractor gross vehicle weight rating, its lift capacity and maximum load per axle and tyres. The tractor front axle load must always comply with the regulations of the country of delivery (In Europe, it must reach minimum 20% of the tractor net weight). We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

To protect the environment, this leaflet is printed on chlorine-free paper.
Printed in the Netherlands - REF: ZPAA11GB - 07.23 - Copyright 2023 KUHN

