

LEOPARD



The 400 series



More information:
www.kemper-stadtlohn.de

Know-how and experience provide the basis for innovative solutions and superior quality. For more than 100 years we have produced and marketed the best possible technology for professional users – worldwide.

For us, “Made in Germany” is more than just a label. On a site extending over 100,000 m² in the Münsterland region, KEMPER employs a staff of about 250. Product development, customer care and production are closely linked in our company. This is what guarantees continuous further product development.

Company site in Stadtlohn



Good harvest – good all round.

›Success through continuity‹ is the motto at KEMPER, the No. 1 in row-independent harvesting headers.

The harvesting headers of the 400 series cut quickly and thoroughly at a high speed of rotation. The large harvesting rotors operate powerfully, regardless of the row spacing or the crop. Even under extreme harvesting conditions, the headers really show what they can do. The two sloping, stepped feeder drums ensure tidy bundling right across the width of the channel. Full utilisation of the engine power is made possible due to the even lengthwise crop feed. The 400 series harvesting headers provide the highest possible productivity with maximum chopping quality.



■ 445

Years of experience, versatile in application.
4.55 m working width,
width for transport 2.47 m.



■ 460

Outstanding performance, even on down crop.
6.00 m working width,
width for transport 2.98 m.



■ 475

Even wider reach for very large, high-yield maize.
7.50 m working width,
width for transport 3.30 m.

The right header
for every crop, from
agricultural through
to industrial use.

Whether for small dairy farms ...

... or for biogas installations.



Powerful - even under extreme conditions.



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The down crop augers ensure loss-free pick-up of down maize, even under very difficult conditions.



The 2 speed gear case allows the speed of the attachment to be optimised, so as to react flexibly to any crop conditions and cut lengths.



Each conveying drum is protected by friction clutches.



445 - simply solid.

The proven header for harvesting thin-stemmed crops.





460 - up and away.

The powerful header for harvesting thin-stemmed crops.





The mechanical lateral tilting frame, including the automatic locking for road transport, is part of the standard equipment.

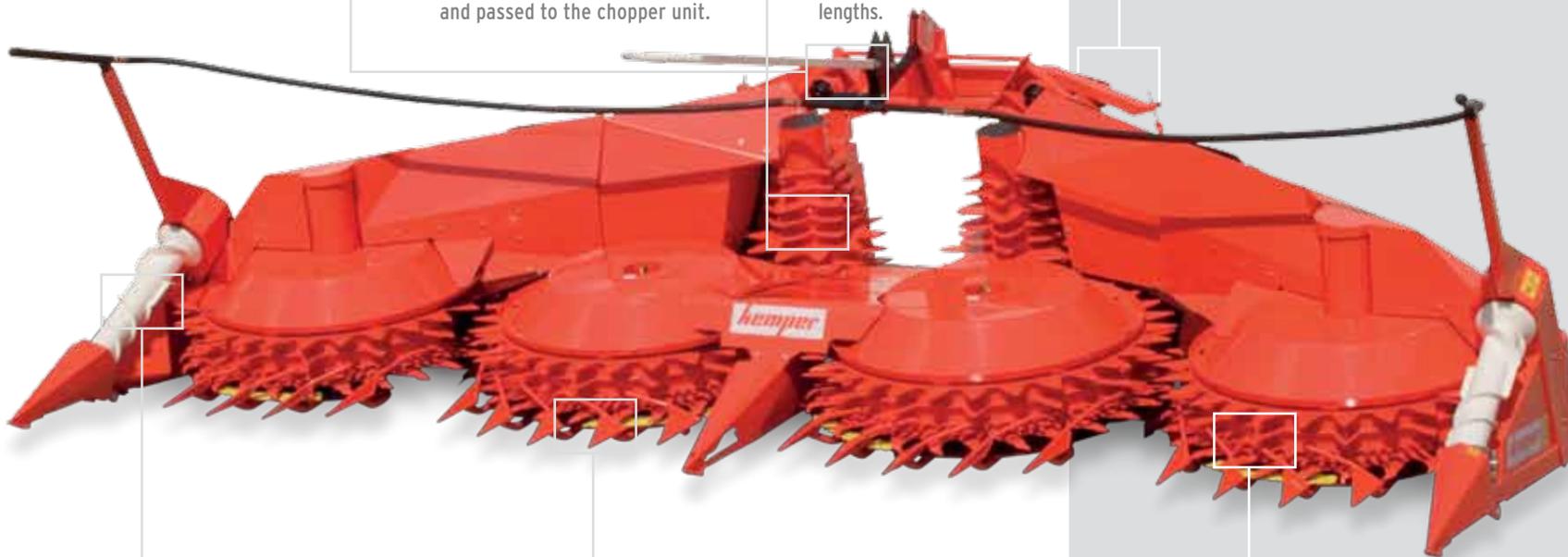


The 460 has a particularly wide transfer channel to the harvester. Large quantities of crop are bundled by the sloping conveyor drums and passed to the chopper unit.



The 2-speed gearbox allows the speed of the header to be optimised, so as to react flexibly to any crop conditions and cut lengths.

The universally applicable KEMPER headers have an impressively low weight. Fast-running saw rotors cut the crop cleanly. Sloping conveying drums bundle the material and feed it optimally to the chopping drum. All the gears are protected by zero-maintenance safety clutches.



The down crop augers ensure loss-free pick-up of flattened maize, even under very difficult conditions.



Breaking up the sharp-edged maize stubble helps the tyres of the harvester, and ensures faster decomposition.



Bolt-on, easily exchanged scrapers ensure optimum function of the header - very easy to service.

The ideal
header for
harvesting
high-yielding
maize.

475 - even greater reach.

With a working width of 7.50 m, the 475 is the largest header in the 400 series. The two, small outer conveying drums, which reliably transfer the maize inwards towards the large drums, are a special feature.



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The mechanical lateral tilting frame, including the automatic locking for road transport, is part of the standard equipment.



The 2-speed gearbox allows the header to be optimised, so as to react flexibly to any crop conditions and cut lengths.



Special, low-level external crop dividers allow the down crops to be picked up without damage.



Bolt-on, easily exchanged scrapers ensure optimum function of the header - very easy to service.



The eccentric drums ensure optimum material flow - even for down crop.





Wide versatility.

The KEMPER
400 series:
ready for use
in any season.

High profitability and a wide range of uses are the marks of the KEMPER headers. Many thin-stemmed crops for animal feed or the production of biogas can be harvested, even under very difficult harvesting conditions, a row-independent harvesting system with fast-running rotors allows uninterrupted cutting over the full working width. The cutting rotors, with exchangeable segments and special scrapers, provide the conditions for the best possible harvest.



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A photograph of a cornfield. The foreground is dark and blurry, showing the ground and some low-lying plants. The middle ground is filled with rows of tall, green corn plants. The background is a bright, hazy sky. The text "A hero in the field." is overlaid in white on the left side of the image.

A hero in the field.





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It is not only in the field that the 400 series is an innovation: the headers have important advantages on the public roads. The design gives the driver a perfect view of the road.

On course for success.

The low width during transport and the clever folding of the header allow for a perfect view.



The new sensor in the central crop divider assists steering.

A magnet is embedded in the plastic.
The black sensor measures the distance,
and obtains a steering signal.



The bonus in equipment.

Stress-free
operation –
thanks to the
automatic
row guidance
with the new
KEMPER sensor.

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- Increased working speed thanks to automatic row guidance
- Lower stress on the driver, bringing improved performance
- Full driver-concentration on what is important
- The harvester does not lose its track even when a row is missing
- Innovative software compensates for missing signals
- Low-wear, zero-servicing design of the steering system

The electro-hydraulic lateral tilting frame provides ideal adaptation to the ground and an even chopping pattern, particularly on hillsides or over stony ground.

Over hill and dale.

Electro-hydraulic lateral tilting frame – for optimum adaptation to the ground, even under extreme conditions.



The sensor integrated into the crop divider can move vertically and horizontally. Uneven ground or stones cause it to move, and generate pulses.

The pulses from the sensor are used by the harvester software to control the hydraulic cylinder in the lateral tilting frame, generating vertical and horizontal adjustments.

- Active ground adaptation and regulation of the attachment height
- Active regulation using a sensor in the outside tips
- Adjustment by hydraulic cylinder
- Consistent harvesting with long stubbles
- Minimisation of the feed contamination
- Reduced wear costs and less servicing work





One advantage after another.

Versatile - "One for all"

Superior cut quality for the whole range of thin-stemmed plants.

Efficient - "One for the lead"

Optimum transport, even for very high-performance harvesters.

Universal - "One for everywhere"

Top performance, even under difficult harvesting conditions, such as unusually high maize grown with irrigation.

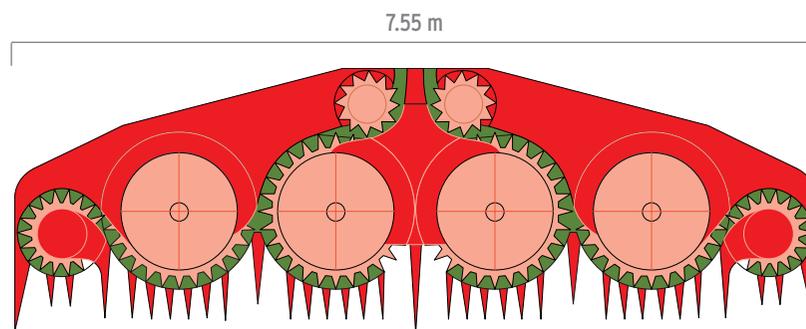
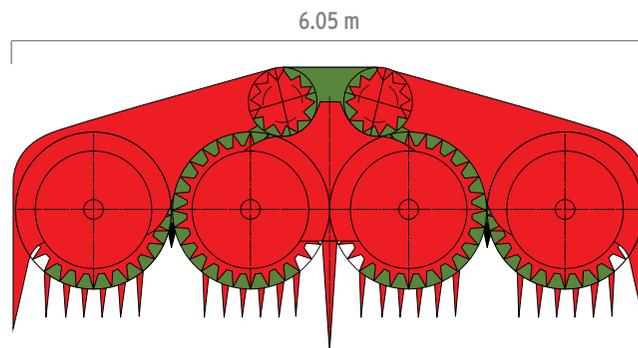
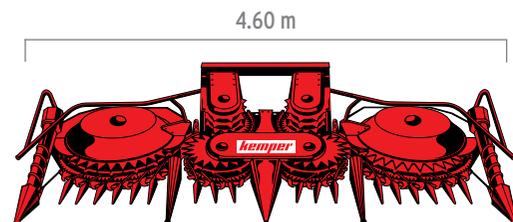
Low-maintenance - "One for always"

All gears have integrated safety clutches.

The extra in potential uses.

The extra in performance.

The extra in customer benefit.



Technical data summary

	445	460	475
Length (m)	2.20	2.78	2.78
Total width (m)	4.60	6.05	7.55
Height (m)	1.15 (1.50)	1.52 (2.28)	1.52 (3.65)
Working width (m)	4.55	6.00	7.50
Transport width (m)	2.47	3.00	3.30
Weight (kg)	1,795	2,750	3,300

- Perfect utilisation of the field harvester whatever the width of the channel or motorisation
- Optimum harvesting, even under difficult conditions and down crops, thanks to intelligent, robust, detailed solutions in the header
- Perfect view of the road thanks to clever folding
- Easy transport through low transport width
- Reduced ground pressure through low weight

The supply of original spare parts ensures optimum function and service life, completing the range of our services.



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A KEMPER for everyone.

Well above 20,000 units have been sold since the market launch in 1986. In addition to the row-independent headers, the range of products also includes transport equipment for headers, row-independent forage harvesters, grass pick-ups and combine maize headers.



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