kemper

The 300 series harvesting implement generation

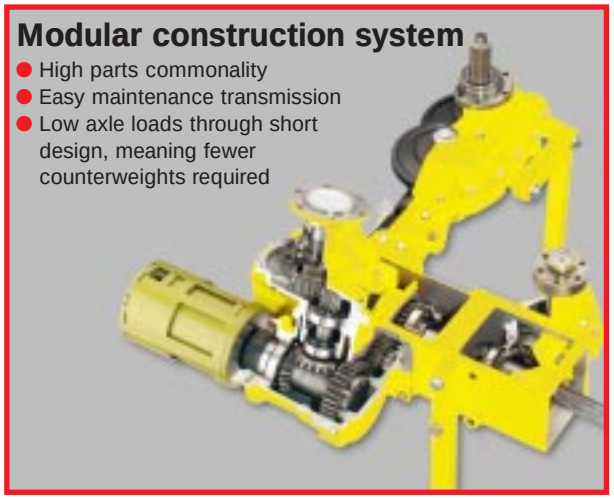
The row-independent harvesting implements: Champion 330 - 345 - 360 - 375

The harvesting implements in the 300 series operate in open cut mode. Fast and uncompromising. Up to 10 cutting rotor blades enable application regardless of distance between rows and with greatly differing crops. The row-independent cutting technology makes it possible to operate in the field from all sides - particularly important when harvesting lodged crops.

Even crop intake lengthwise to the main chopper unit and clean bundling by the two obliquely arranged step-type intake drums across the entire channel width enables maximised use of the harvester's engine power and ensures maximum productivity while producing optimal chop quality.

Modular construction system

- High parts commonality
- Easy maintenance transmission
- Low axle loads through short design, meaning fewer counterweights required



Tungsten carbide-coated saw-type blades

- Manufactured with quality certificate
- Exclusive to Kemper
- Do not lose sharpness with increased duration of use
- Lower load placed on clutches and transmission
- Considerably longer service life
- Available as service sets

Special shaped scrapers

- Shred sharp-edged maize stubble
- Protect the harvester's tyres
- Encourage rapid stubble decay

Liquid-cooled friction clutch

- The KEMPER solution for optimal power transmission
- Prevents friction clutch from overheating
- Longer service life
- Can be retrofitted

Extreme harvesting conditions: The solution

Crop transport – New drum covers with greater surface area on the feed rotors improve crop transport to the chopper intake area under difficult harvesting conditions. Specially shaped ear bars minimise loss of crops especially when working on sloping terrain. Bolt-on scrapers usable on both sides scrape out crop parts.

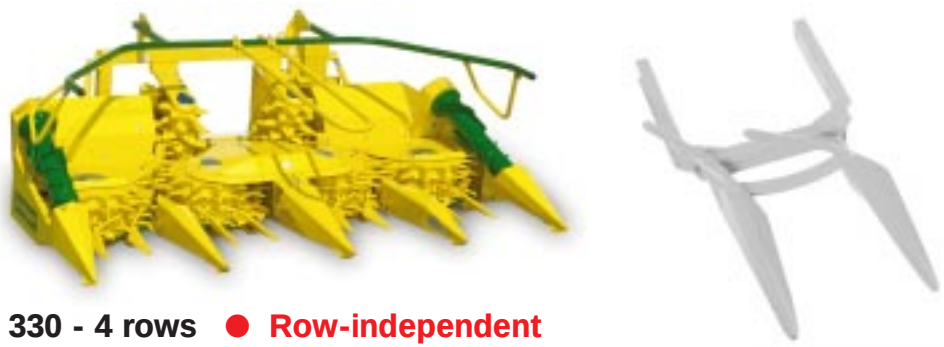
Crop intake – To facilitate crop transport, 2 innovative spiral intakes guide the crop safely to the main chopper unit, even under difficult operating conditions.

Maximal chop quality

Bolt-on scrapers – All 300 series intake rotors are fitted with bolt-on scrapers for attachment to either side for the efficient removal of crop parts, even under extreme operating conditions.

Wear plates – If required, harvesting implements in the 300 series can be equipped with bolt-on retrofit wear plates. They prevent wear to the frame under extreme operating conditions.

The 300 series – 4



330 - 4 rows ● **Row-independent**
✔ **up to 10 rows in a single pass**

345 - 6 rows ● **Wide range of applications**
✔ **Maize, sorghum, sunflowers, whole crop silage, oilseed rape, hemp, pampas-grass, etc.**

Short and compact design
Lighter axle loads and fewer counterweights.
Less load placed on the soil. Greater manoeuvrability.

working widths: 3 m, 4,5 m, 6 m and 7.5 m

360 - 8 rows

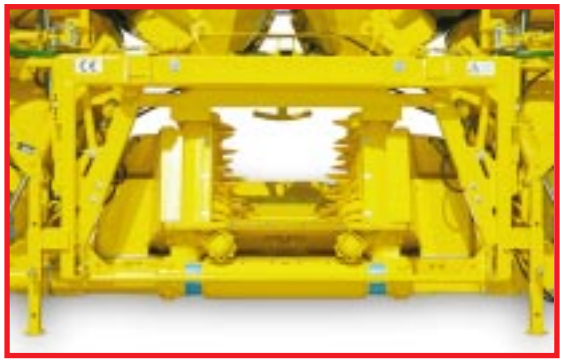
- **Large selection**

✔ **The right harvesting implement for every self-propelled forage harvester**

375 - 10 rows

- **Easy maintenance**

✔ **Low wear costs and minimal service requirement**



Mechanical floating suspension for Optimal adaptation to ground surface.

- The solution for even stubble length when working on sloping terrain.
- Ground unevenness is compensated and is not transmitted from the harvester to the implement
- Independent of harvester and harvester main unit
- Can be retrofitted

Road transport
345 – Transport width 2.98 m.
Perfect visibility for the driver.

Road transport
360 – Transport width 2.98 m.
Perfect visibility for the driver.

Road transport
375 – Transport width 2.98 m, Hydraulic dual fold-in mechanism. Perfect visibility for the driver.

Special equipment

Whole crop silage harvest
Short tips for improved crop transport.

Mechanical row guide
Sensors identify rows.
Making work easier for the driver.

Mechanically driven crop dividers
support crop transport under difficult conditions.

Power system
Optimal power transmission provided by high-power forage harvester.

Attachable stem lifter
Maize stems are lifted when crop is heavily lodged.

Power system
Optimal power transmission provided by high-power forage harvester. 2—speed transmission for optimised intake speed, especially with larger cutting lengths.

Technical specifications in detail

Standard equipment: **330** **345** **360** **375**

- **Attachments:**
  With the appropriate interface, the harvesting implement is suitable for attachment to JOHN DEERE self-propelled forage harvesters, height-adjustable feet.

- **Power system:**
  Power transmission is delivered by the SPFH drive line via oil-immersed transmission and safety clutches.

- **Cutting system:**
  Row-independent cutting system with high-speed cutting rotors and freewheel mechanism. Cuts across the entire cutting width by means of enclosed saw-type rotor blades with replaceable segments. Blades coated with tungsten carbide.

- **Crop transport:**
  Even crop intake to the chopping unit via slow-running intake drums and transverse drums, clean gathering and crop transport to the chopping unit via two spiral augers and two slanting intake drums. Two mechanically driven crop dividers for heavily laid crops, height-adjustable crop lifters.

- **Machine transport:**
  The machines > 345, 360, 375 < are folded hydraulically to a transport width of 3.00m. The transport guard is fitted with flashing lights and position lights. When folded, the cutting units may partially cover the headlamps on some self-propelled forage harvesters. It may be necessary to re-position the headlamps to conform with the prevailing highway regulations. Counterweights must be fitted in compliance with applicable government inspection survey regulations.

- **SPFH specification requirements:**
  A power socket for flashing and position lights on the harvesting implement.
  A double-acting control valve for the folding cutting units. Control valve leakage must be compensated for by ball valve. Minimum pressure: 160 bar.

• **Technical data:**		**330**	**345**	**360**	**375**
Length	m:	2,06	2,06	2,06	2,06
Overall width	m:	3,00	4,55	6,05	7,55
Height	m:	1,36	1,36 (1,50)	1,36 (2,26)	1,40 (2,30)
Working width	m:	3,00	4,50	6,00	7,50
Transport width	m:	3,00	3,00	3,00	3,00
Weight	kg	1500	2100	2680	3250
• **Suitable for attachment to:**					
John Deere					
5720, 5730, 5820, 5830		B 150			
5830			B 160		
6610, 6710, 6810, 6910 6650, 6750, 6850, 6950 7200, 7300, 7400, 7500		B 151	B 161	B 170	
6950 4 x 4, 7400, 7500 7400 4 x 4, 7500 4 x 4					B 190
7700, 7800, 4 x 4			**B 162**	**B 169**	**B 192**

- **Special equipment:**
  Liquid-cooled clutch, mechanical lateral tilt, assisted steering, whole crop silage separators, manual transmission, wear plates, rigid crop lifters

The company

KEMPER genuine replacement parts

Only genuine replacement parts guarantee the perfect operation of your Champion harvesting equipment.

Maschinenfabrik KEMPER GmbH & Co.KG
Founded in 1908, in Stadtlohn, Westfalen, Germany. Development, production and sale of agricultural equipment, covering 100,000 m², 220 employees, modern systems and production facilities serving the needs of modern agriculture and of the professional user.

The KEMPER range of products

- **Row-independent harvesting implements** with working widths up to 7.5 metres.
- **”CornStar” corn header with rotary intake**
- **Row-independent forage harvester attachment**
- **Manure spreader up to 18 t permitted gross weight**

Technology you can rely on

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