

Maize Choppers



MC

90 S / 90 S TWIN / 180 S QUATTRO

www.kuhn.com



be strong, be **KUHN**



MC

90 S

90 S Twin

180 S Quattro

KUHN MC

UNIVERSAL MAIZE CHOPPERS!

THE QUALITY YOU'RE LOOKING FOR

Field performance, minimum soil compaction and a cost effective operation contributes that KUHN maize choppers suit the requirements of both farmers and contractors.

A PROFITABLE INVESTMENT

By taking advantage of the weed insensitive cutting system, the sophisticated feed system and the especially designed chopping wheel ensures that the KUHN maize choppers will be a profitable investment.

UNMATCHED RELIABILITY

By offering a 1-row; 2-row and 4-row machine KUHN has an efficient and versatile range of 3-point maize choppers. KUHN maize choppers are not only designed to chop top quality maize but are also built for unmatched reliability.



Models	MC 90 S	MC 90 S TWIN	MC 180 S QUATTRO
Number of Rows	1	2	4
Chop length	4 or 6 mm	4 or 6 mm	4 or 6 mm
Row Spacing, centre to centre	-	67/71/75 cm	75
Capacity	0,7 ha/h	1 ha/h	1,6 ha/h



MC

90 S

MAIZE CHOPPING TECHNOLOGY!

KUHN maize choppers distinguish themselves for high outputs with low input. The power transmission via pto drive shaft, V-belts and gears requires minimum maintenance. Sharpening and re-adjusting the chopping wheel could not be easier and faster. The discharge chute is hydraulically remote controlled from the tractor driver's seat. Flap control is by means of a mechanical adjusting facility. Daily routine maintenance is limited to the lubrication of two easily accessible grease nipples on the chopping wheel and the chain drive of the MC 90 S TWIN system.



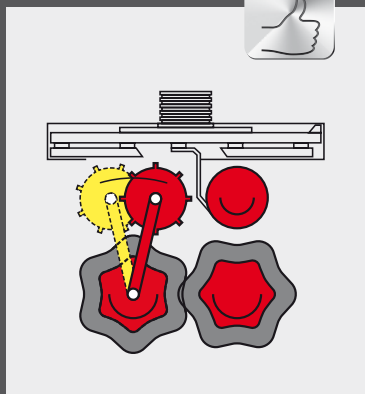
TROUBLE FREE CHOPPING STARTS WITH A GOOD CUT

Clean cutting of the maize stems is the basis for an even intake. The KUHN system is tolerant of weeds and has a self-cleaning function. The adjustable counter knife between the discs maintains best cutting quality at any time. The cutting discs are hardened and have a special protective coating for maximum wear resistance.



EVEN INTAKE FOR A PRECISELY CHOPPED CROP

Two feed drums, a smooth and a toothed roller ensure that the crop flows in a straight line to the flywheel, so stems, cobs and husks are cut at right angles to exactly the preset length of chop. The result is a homogeneous crop structure for top quality silage.



STURDY FLYWHEEL FOR AN ENERGY SAVING CHOPPING ACTION

As a result of the special positioning of the chopping knives in relation to the counter knife, the angle of cut runs from outside to inside, so the incoming maize stems need not first to be compacted in the corner but are immediately cut and transported with minimum power requirement.





MC

90 S TWIN

MINIMAL HORSE POWER REQUIREMENT!



Based on the single-row MC 90 S, this two-row maize chopper has an added weight of only 15%. It makes full use of the tractor power available, but makes 50% less tracks in the field. Horse power requirement is minimal: 55 hp is sufficient for chopping two rows in one single pass.



ADJUSTABLE CHOP LENGTH

The maize choppers are adjusted to the most popular chop length of 4 mm. By installing a different drive gear a chopping length of 6 mm can be realized. For harvesting ripe maize with very hard kernels the standard flywheel speed of 1600 rpm can be increased to 1800 rpm by installing another V-belt pulley. Extremely hard maize kernels can easily be cracked if the flywheel speed is further increased to 2000 rpm (for this the pulley and the belts must be replaced). In addition, the filling plate in the lower discharge housing can be replaced as standard for a cracker plate.



Simple knife sharpening on the spot



Excellent access to the chopping wheel



After sharpening the knives the chopping wheel can easily be adjusted



RELIABLE OVERLOAD PROTECTION

An easily accessible shear bolt protects the maize chopper from damage whenever the feed drums are blocked by a foreign object.

EQUALLY SUITED FOR FRONT AND REAR MOUNTING!

Fitted with two chopping units and two feeding systems, the 4-row maize chopper MC 180 S QUATTRO is the ideal machine for the professional user. Comparable to the MC 90 S as regards design and maintenance, it can be powered by tractors from 90 hp upwards. The MC 180 S QUATTRO meets the demands for high work rates without massive investment in self propelled machinery. The long and high chute permits unimpeded loading of any trailer, be it pulled by the tractor or running alongside. The low-maintenance drive system ensures reliable trouble free chopping.



The MC 180 S QUATTRO has been conceived to cater for the larger farmer or small contracting enterprise operating tractors from 90 hp upwards. Operators requiring more output can use a tractor with up to 140 hp at the PTO. All aspects of the MC 180 S QUATTRO have been designed to make your harvest safer and more efficient, be it the reliable overload protection of the feed units and intake chains, the ease of maintenance, the simple changeover from working to transport position, the high output of the low power requirement.



4-row maize chopping



MC 180 S QUATTRO in transport



Electric flap control

The hydraulic side shift permits the use of wide tractors and simplifies the work along the field boundaries and ditches.



Two drive shafts for front and rear mounting

FEATURES AND OPTIONS!



Optional 80cm chute extension
(MC 90 S and MC 90 S TWIN)



Hydraulic chute control
(all models)



Adjustable crop guide for tall crops
(optional MC 90 S only)



Trailer hitch in low position
(MC 90 S and MC 90 S TWIN)



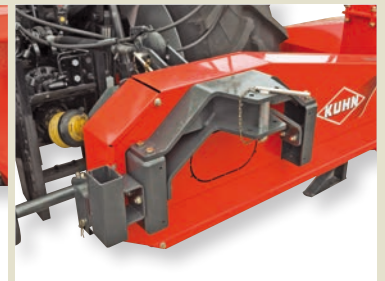
Support wheel
(MC 90 S and MC 90 S TWIN)



Foldable chute for storage and transport
(MC 90 S and MC 90 S TWIN)



A plain and ribbed cracker plate
are as standard (all models)



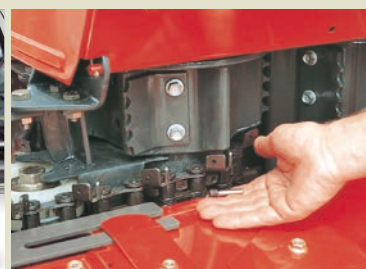
Trailer hitch in top position
(MC 90 S and MC 90 S TWIN)



Simple lateral adjustment for lower hitch bar
(MC 90 S and MC 90 S TWIN)



Easy access for inspection, maintenance and
cleaning (MC 90 S and MC 90 S TWIN)



Extra shear bolt protection for the intake chain
(MC 90 S TWIN and MC 180 S QUATTRO)



Optional set of intake combs for slippery or
tall maize (standard on MC 180 S QUATTRO)

MC

90 S

90 S TWIN

180 S QUATTRO

FIND THE KUHN MAIZE CHOPPER, WHICH IS PERFECTLY ADAPTED TO YOUR NEEDS!

Specifications

Maize Chopper	MC 90 S	MC 90 S TWIN	MC 180 S QUATTRO
Number of rows	1	2	4
Length without chute	209 cm	209 cm	235 cm
Height (approx.)	325 cm	325 cm	440 cm
Width (approx.)	224 cm	295 cm	200 cm (in transport)
Height with lowered chute	220 cm	250 cm	315 cm
Weight (approx.)	480 kg	550 kg	1140 kg
Necessary hydraulic tractor equipment	1 double-acting valve	1 double-acting valve	2 double-acting valves/1*
Number of chopping knives	10	10	10 + 10
Number of thrower blades	2	5	5 + 5
Tyre	16,5/6,5-8 4PR	16,5/6,5-8 4PR	-
Mounting category	Cat. II	Cat. II	Cat. II
PTO min ⁻¹	540/1000*	540/1000*	1000
PTO rotation direction	-	-	ccw/cw
Minimum PTO power requirement	22 kW (30 hp)	40 kW (55 hp)	66 kW (90 hp)
Maximum PTO power requirement	88 kW (120 hp)	88 kW (120 hp)	100 kW (140 hp)
Chop length	4 mm or 6 mm	4 mm or 6 mm	4 mm or 6 mm
Row spacing, centre to centre	-	67/71/75 cm	75 cm
Average capacity (ha/hour)	0,7	1	1,6

* = optional



1. MC 90 S - 2. MC 90 S TWIN - 3. MC 180 S QUATTRO

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