

Fully Mounted Mower Conditioners

FC 104 Lift-Control Series



www.KuhnNorthAmerica.com



Invest in Quality®

ECONOMICAL & EASY TO USE



HIGH PERFORMANCE

Today, high-performance farms know the most important features are those that provide a cost-effective mowing operation and help make the highest quality crop possible.

LIFT-CONTROL IS THE ANSWER

The exclusive Lift-Control suspension, with its clever design, combines ground pressure reduction of the mowing unit with break-away safety. Additionally, uniform weight distribution over the entire working width is achieved by the central pendulum articulation of the mowing unit.

The results are perfect ground adaptation, a cleaner crop and considerable cost savings due to fewer repairs, less wear and reduced fuel consumption.

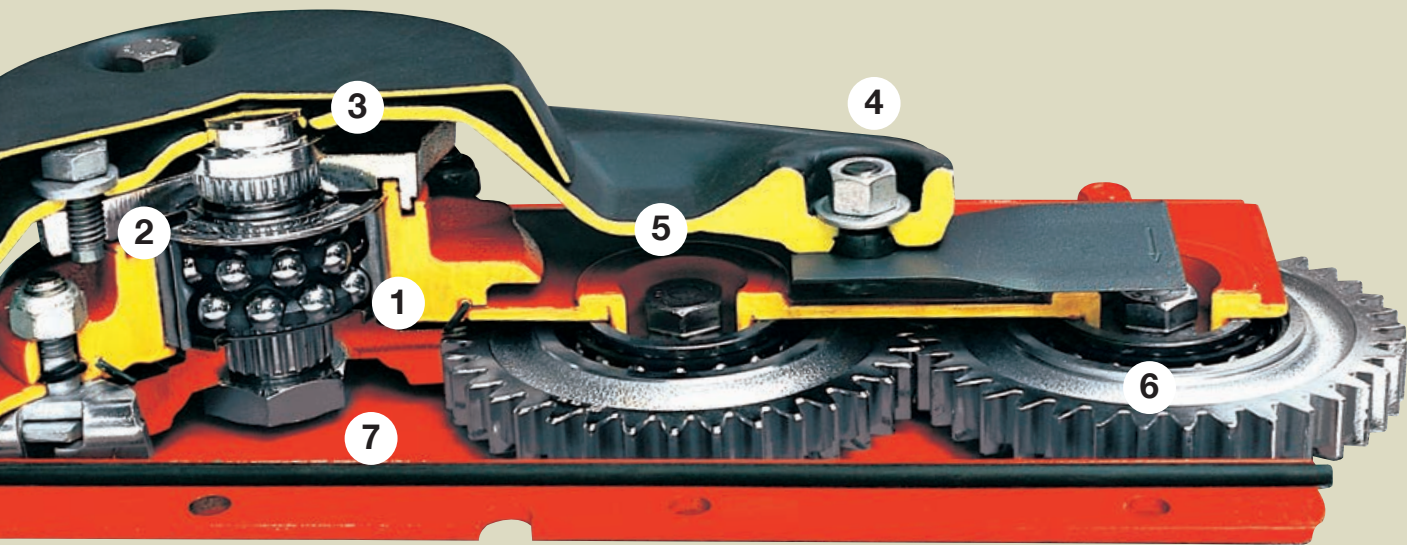
EFFICIENT CONDITIONING FOR HIGH NUTRITIONAL VALUE

The conditioner is another decisive component on KUHNS FC mower conditioners: the less drying time, the more the forage will retain its nutritional qualities. The DigiDry® finger conditioner allows for fast drying in all types of crop.

FC LIFT-CONTROL SERIES

in brief

Models	Working Width	Windrow Width	Minimum PTO Requirement
FC 284 D	9'2"	3'3" – 8'10"	80 hp
FC 314 D	10'2"	3'11" – 9'10"	95 hp



TAKE A CLOSER LOOK AT DECADES OF PROVEN RELIABILITY

Some disc mower conditioners may look like a KUHN from the outside. However, it's what is on the inside that counts. KUHN's design and construction standards ensure a long life and reliable operation. See for yourself by taking a closer look at what the 100 Series cutterbar has to offer.

- 1. Withstands the highest loads:** special high-capacity bearings fitted in a one-piece sealed housing are not subject to distortion.
- 2. Increased service life:** disc pinion shaft bearings endure radial forces for maximum bearing life. This optimum position improves the load balance.
- 3. Protection should an obstacle be struck:** the Protectadrive® system is designed to protect the cutterbar gear train and minimizes the risk of downtime.
- 4. High wear resistance:** knife attachment hardware is fully protected. For added safety, heat treated steel cups are welded to the disc.
- 5. Minimum wear and distortion risk:** idler gear fasteners are located in heat treated steel cups. Correct alignment is ensured without the risk of distortion.
- 6. Long-term reliability:** large-diameter gearwheels in high-tensile forged steel with reinforced teeth.
- 7. Perfect sealing:** top-quality o-rings used on cutterbar bearing housings for a perfect, leak-free seal.

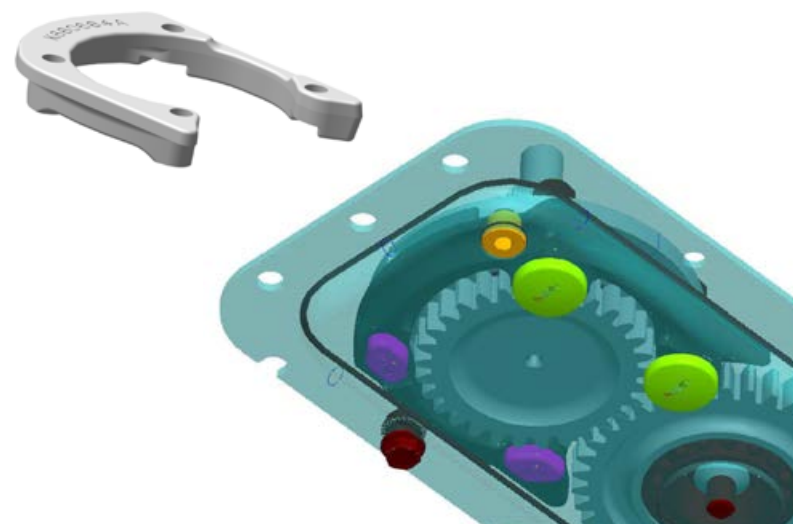
PROTECTADRIVE MINIMIZES DOWNTIME

- The disc bearing station can be removed and mounted quickly and easily. Any needed repair is carried out at reduced costs from the outside with minimal downtime.
- Total safety in case an obstacle is struck: the threaded pins of the disc housings are solidly linked to the upper half casing. There is no weak point or risk that they could be ripped out.



REINFORCED BEARING STATIONS

Both the FC 284 D and 314 D have been reinforced with heavy-duty outer bearing station supports on both ends of the cutterbar. These supports greatly improve the durability of the cutterbar, especially when it is used in difficult conditions.



DIGIDRY® FINGER CONDITIONER

The DigiDry finger conditioner provides consistent drying of grass and legume crops in various conditions with little maintenance. Wide rotor, finger-style conditioning increases crop-on-crop rubbing to strip off the waxy cuticle layer, helping stems dry at the same rate as the leaves. The built-in break back feature normally protects against damage from rocks or other foreign objects.



ADJUSTABLE CONDITIONING INTENSITY

Quickly and easily select from multiple conditioning hood positions to fine tune the intensity of crop conditioning. Additionally, these models have a conditioning comb that can be set in multiple positions.

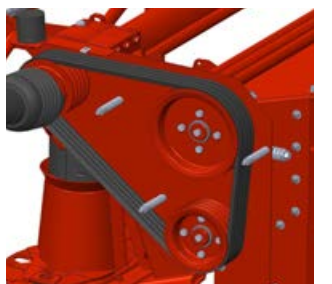
- In grass, it is recommended to set the conditioning hood as close to the rotor as practical without causing plugging, and for the conditioning comb to be fully in the path of the crop stream for maximum conditioning effect.
- For legume crops like alfalfa, set the hood so there is slight scuffing on the stems, but little to no leaf detachment and take the comb completely out of the crop stream.



Depending on the crop and volume, periodic adjustments may be necessary to ensure desired conditioning.

MULTIPLE ROTOR SPEEDS

Rotor speed can be adjusted from 615 to 888 RPM by switching the side pulleys. The slower speed is recommended when harvesting more delicate crops such as alfalfa.



SMOOTH & STEADY, EVEN IN TOUGH CONDITIONS

A suspension system's performance is compromised if weight distribution across the ground is not uniform. With the FC Lift-Control range, the mowing head is suspended at the center of gravity to ensure even weight distribution and provide a high-quality cut across the entire width.

Thanks to its central pendulum articulation, the mowing unit runs smoothly, even in the roughest fields. This system provides excellent ground contouring at high ground speeds while minimizing impurities in the forage. The major pivot angle of the mowing unit enables the operator to obtain a clean cut, even in the most difficult of conditions.



AUTOMATIC LOCKING

To avoid swinging up and down in the transport position and during headland turns, the central articulation is locked hydraulically. This also adds to the operator's safety.



ACTIVE NON-STOP BREAKAWAY

No one can afford to damage their mower during the peak hay season because of a forgotten or unnoticed obstacle. The mowing head will pivot up to 25° to the rear. At the same time, the mowing head will lift to clear the obstruction and then automatically reset to the original mowing position. There is no need to stop and reverse to reset the mower.



GENUINE KUHN PARTS®

No part better fits a KUHN machine than an original KUHN part

Here at KUHN, we produce spare parts built to last in our very own foundries, our forges and our ultra-modern production facilities. You can trust in our longstanding know-how, based on almost two centuries of experience. With KUHN Parts, you can be assured of the highest quality parts and customer service in the agricultural equipment industry. Seven distribution centers, located strategically throughout North America, ensure that KUHN, KUHN Knight and KUHN Krause dealers have access to parts and assistance so you can get back in the tractor.



WIDE SPREADING IS STANDARD

Wide spreading is standard without needing to remove the swath deflectors. Operators can benefit from up to 80%+ swath/cut width for maximum drying.



SAFETY DURING TRANSPORT

When folded, the cutting head is centered directly behind the tractor. This facilitates greater ease in road transport. Twin mechanical locks fix the cutting head to securely hold it in position. It's important to ballast the tractor correctly for safety when in transport.

Model Specifications

	FC 284 D	FC 314 D
Working Width	9'2" (2.75 m)	10'2" (3.5 m)
Hitch Type	3-Point, Cat. 2	3-Point, Cat. 3
PTO Speed	1,000 rpm (Standard)	
Number of Discs	7	8
Number of Reversible Knives (2 per disc)	14	16
Blade Attachment System	Fast-Fit®	
Removable Protectadrive® Disc Bearing Stations	Standard	
Generation II Lift-Control for Additional Headland Lift	Standard	
Non-Stop Safety Breakaway Mechanism	Standard	
Conditioning System	DigiDry® Steel Finger	
Conditioner Width	7'7" (2.3 m)	8'8" (2.6 m)
Conditioning Rotor Speed	615 or 888 RPM	
Wide Spreading System	Standard	
Adjustable Swath Width (depending on crop volume)	3'3" (1 m)–8'10" (2.7 m)	3'11" (1.4 m)–9'10" (2.9 m)
Cutterbar Transport Lock with Remote Control from Tractor	Standard	
Tractor Lift Arm Check Chain	Standard	
Road Lights and Signaling	Standard	
Minimum PTO Power Requirement	80 hp (60 kW)	95 hp (71 kW)
Machine Weight	2,160 lbs. (980 kg)	2,453 lbs. (1,113 kg)

COMPLEMENTARY PRODUCTS

MORE PRODUCTS TO MEET YOUR NEEDS

With over 700 models of equipment, we have the most complete implement line in the industry. Whether you have a small or large operation, we have a broad range of models and options to help fit your diverse needs.



1. Trailed Mower Conditioners
2. Tedders
3. Wheel Rakes
4. Single Rotor Rakes
5. Round Balers
6. Single Auger Mixers

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