Mounted Mower Conditioners

FC 4 D SERIES & FC 3515 D







ECONOMICAL & EASY TO USE

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 hydropneumatic 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 KUHN's 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.

Models	Working Width	Windrow Width	HP Requirement
FC 284 D	9'2" (2.8 m)	3'3" – 8'10" (1.0 – 2.7 m	80 hp (60 kW)
FC 314 D	10'2" (3.1 m)	3'11" – 9'10" (1.2 – 3.0 m)	95 hp (71 kW)
FC 3515 D	11'5" (3.5 m)	6' – 7' (1.9 m – 2.4 m)	85 hp (62 kw)

Summary

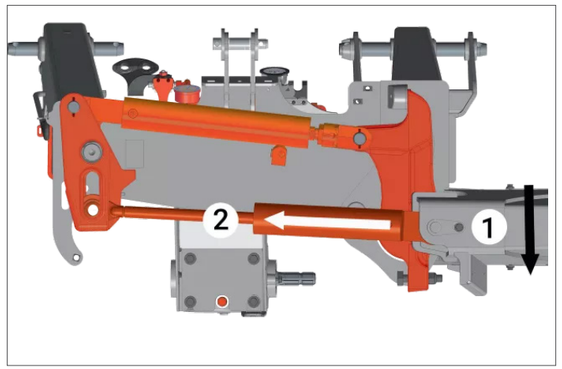
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MOUNTED MOWER CONDITIONERS **FC 4 D SERIES / FC 3515 D**

SIMPLE, EFFECTIVE CONDITIONING

The FC 104 D Series and FC 3515 D rear mounted mower conditioners are ideal for small- to medium-sized farms looking for a simple, yet robust mower conditioner. With working widths ranging from 9'2" to 11'5" (2.8 to 3.5 m), each of these mower conditioners can be a stand-alone rear mounted machine, or paired with a front mounted mower conditioner to complete the package.



LIFT-CONTROL SUSPENSION

The Lift-Control hydropneumatic suspension system offers operators easy adjustability for fast operation, while also helping lower ash and soil incorporation. The system promotes less component wear and tear, especially when adapting to different terrain.

1. When the cutterbar glides across the ground, it is inevitably subject to rearward stress.
2. The higher the rearward stress, the more ground pressure is reduced, thus adapting to uneven terrain.



FAST-FIT KNIVES

Fast-Fit allows quick changing of knives with the use of a simple tool, while providing the optimum cut quality and prolonged knife life. With Fast-Fit, you can achieve up to 50% time savings.



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.



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.



WIDE SPREADING

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



PENDULUM FRAME DESIGN

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.



FLEXPROTECT™ SIDE SHIELDS

FlexProtect™ side shields allow for close cutting along field edges and better deflection if encountering a foreign object. In the event of an obstacle strike, the side shields bend without breaking or damaging the mower. After the obstacle has passed, the side shield returns back to their original shape.

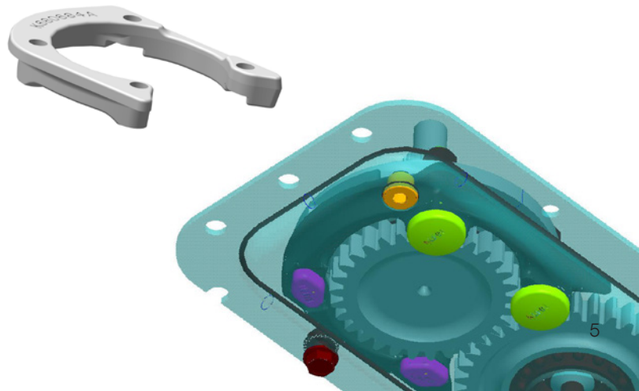
PROTECTADRIVE® MINIMIZES DOWNTIME

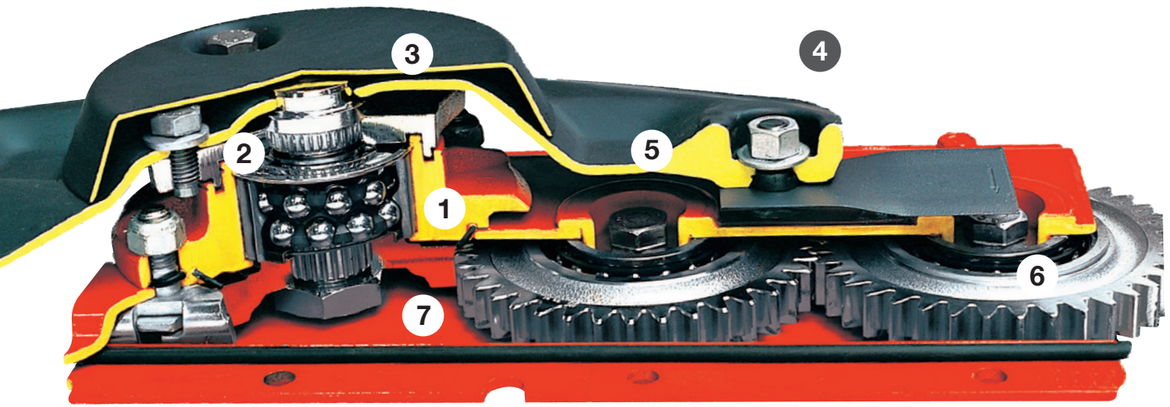
- The disc bearing station can be removed and mounted quickly and easily. Any needed repair is completed from the outside, reducing costs and downtime.
- The threaded pins of the disc housings are solidly linked to the upper half casing. There is no weak point or risk that they could be ripped out.



REINFORCED BEARING STATIONS

Both the FC 4 D Series and FC 3515 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.





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 promote exceptional durability.
7. **Perfect sealing:** Top-quality o-rings used on cutterbar bearing housings for a perfect, leak-free seal.

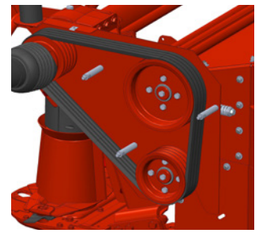






MULTIPLE ROTOR SPEEDS

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



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. The conditioning comb should 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. Take the comb completely out of the crop stream.

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



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.

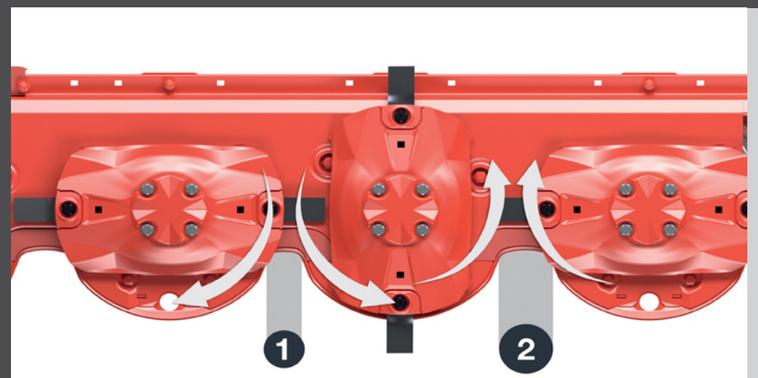


A CLEAN & CONSISTENT CUT

The Optidisc® Elite cutterbar provides the perfect combination of farmer insight and KUHN engineering that helps generate valuable solutions for any hay and forage operation. It combines unmatched cut quality with great reliability and user comfort. The Optidisc® Elite lubed-for-life cutterbar perfectly responds to the requirements of large farms and custom operators.

Enhancements on the Optidisc Elite cutterbar include:

- A lower profile to improve cut quality in difficult conditions while also reducing dirt and ash incorporation.
- Fast-Fit® knives that provide longer knife life with the ability to rotate 360 degrees to achieve a higher quality cut.
- A low maintenance lubed-for-life design that lasts longer due to disc skids, wear plates and liners.
- No routine oil changes required.



OPTIDISC ELITE CROP CONTROL

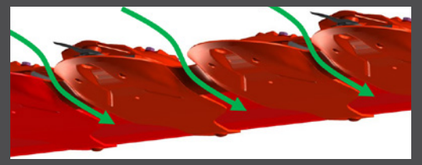
The innovative design offers exclusive differential disc spacing. Narrower spacing at **diverging discs** provide greater knife overlap for cleaner cutting. Wider spacing at **converging discs** provides greater capacity and higher throughput.

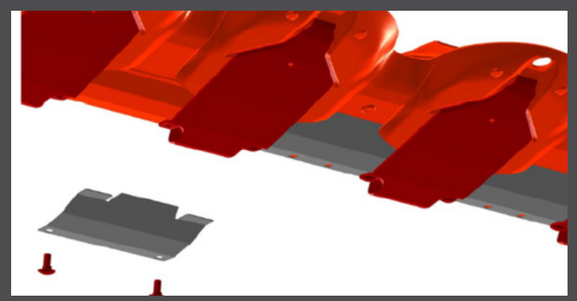
OUTSTANDING CROP LIFT

The cutting discs and end cones provide high crop lift, allowing cut materials to quickly leave the cutterbar and enter the conditioner, especially in thick crop conditions.

PROTECTIVE SKIDS

Sticky crop conditions may cause some soil to accumulate in front of the cutterbar – but not with Optidisc Elite! Its skids are designed to improve sliding and protect the crop stubble, therefore ensuring high-quality forage in difficult conditions.





DISC SKIDS, WEAR PLATES AND LINERS

The disc skids, wear plates and liner are designed to prevent soil and plant material from getting caught in the cutterbar. These plates protect the underside of the cutterbar in the area between disc skids extending the life of the machine while also reducing maintenance costs.





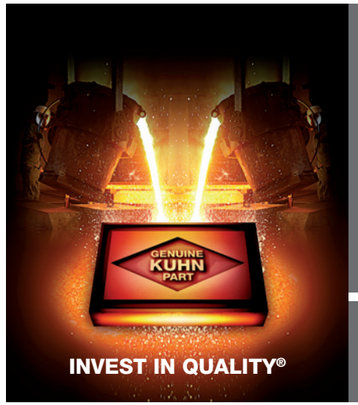
VERTICAL FOLDING

In transport position, the mower folds at 126° to increase stability during transport and reduce the overall height of the machine, ensuring operator comfort and safety.



CONDITIONING SPEED

The speed of the conditioning rotor can be adjusted depending on the crop and conditions. A low speed of 755 rpm is recommended for delicate forages such as alfalfa and crops with low volume. The high-speed 1,000 rpm setting is recommended for grass and heavy forages.



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.





Technical Specifications

	FC 284 D	FC 314 D	FC 3515 D
Working width	9'2" (2.8 m)	10'2" (3.1 m)	11'5" (3.5 m)
Transport height	-	-	12'5" (3.79 m)
Cutterbar	100 Series		Optidisc® Elite
Number of discs	7	8	
Blade retention system	Fast-Fit®		
Hydraulic lift mechanism	Standard		
Cutting height	1.1" – 1.9" (30 – 50 mm)		1.4" – 2.5" (35 – 65 mm)
Removable Protectadrive® disc bearing stations	Standard		
Cutterbar transport lock with remote control from tractor	Standard		
Suspension	Lift-Control® hydropneumatic suspension		
Safety breakaway system	Standard		Non-stop hydraulic
Conditioning system	DigiDry® steel finger		
Conditioning speed	615 or 888		755 or 1,000
Conditioner width	7'7" (2.3 m)	8'8" (2.6 m)	10'1" (3.0 m)
Adjustable swath width	From 3'3" – 8'10" (1.0 – 2.7 m)	From 3'11" – 9'10" (1.2 – 3.0 m)	From 6' – 7' (1.8 – 2.1 m)
Wide spreading system	Standard		
Hitch	Cat. 2, 3-point mounted	Cat. 3, 3-point mounted	Cat. 3N, 3-point mounted
Setting into transport position	Horizontal folding		126º folding
Machine parking	Unfolded horizontally		Unfolded on additional parking stands (available as an option)
PTO speed	1,000 rpm		
Free wheel	Standard, integrated in the side gearbox		
Friction slip clutch	Standard		
Minimum PTO power requirement	80 hp (60 kW)	95 hp (71 kW)	85 hp (62kW)
Required tractor hydraulic connections	1 DA and 1 SA with float		1 DA and 1 SA
Road lights and signaling	Standard		
Machine weight approx.	2,490 lbs (1,130 kg)	2,920 lbs (1,325 kg)	3,570 lbs (1,620 kg)



MyKUHN

THE LINK TO MY SUCCESS

MyKUHN is your online customer portal where you can access machine operator's manuals, parts catalog and more! The site is available on computer, phone or tablet, so you can access your fleet's information anywhere around the farm. Create an account and register your KUHN equipment today.



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