

1300 Series

Disc Mower
Conditioners

HESSTON
by MASSEY FERGUSON

Always on the cutting edge.



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1947

Nobody knows hay like **HESSTON®**

The Hesston Manufacturing Company is founded in Hesston, KS. Today it is part of the Massey Ferguson® family.

1962

Massey Ferguson becomes the world's best-selling tractor brand.



1974

The Hesston® 1014 mower conditioner is introduced, the industry's first commercially available center-pivot mower conditioner.



2006

Massey Ferguson and Hesston join forces to produce the new Hesston by Massey Ferguson complete line of hay equipment.

2014

The Hesston 1383 & 1386 are the first ever pull-type mowers to have hydraulic conditioner tension.



2016

Hesston has proudly built high quality hay equipment for 70 years. Since 1947, Hesston has lead the way with industry-leading innovations like the first self-propelled swather, the first large square baler, the first center pivot mower conditioner plus many more. High quality hay is what we do. High quality hay is what we know. Nobody knows hay like Hesston.



The experience leader.

Ah, the smell of fresh-cut hay. Whether you cut your own crop twice a year or custom harvest 500 acres six times per season, there's always something comforting about the sweet aroma of newly cut forage. Unfortunately, the tranquility associated with the sights and smells of nature can be shattered by a machine that strips the crop or plugs on the job.

That's why Hesston by Massey Ferguson goes to such great lengths to ensure that every Hesston 1300 Series disc mower conditioner features smooth cutting, maximum efficiency and unmatched reliability. It's also the reason we offer five different models of disc-type sizes. We realize that every farm is different and every farmer and rancher has different needs.



The Hesston 1359: Redefining economy.

When your needs call for a versatile yet cost-efficient disc mower conditioner, you can't do better than the Hesston 1359. Its seven rotary discs cut a 9-foot, 3-inch swath through grass hay, pasture or alfalfa with equal ease. Yet, the rugged side-pull hitch easily pivots for narrow transport. Add our proven hay conditioner options to match your crop conditions and you have the perfect machine for any small- to mid-size operation.



Standard knives feature a 12-degree pitch. For tough conditions like down crop, 18-degree knives are also available for more lift and a cleaner cut.

A hydraulic power-out feature on the Hesston 1359 automatically opens the rolls to expel slugs when the header is raised.



Each cutterbar module is driven by a segmented, reversible hex drive shaft for quick disassembly and reduced operating costs. The hex drive shaft is also designed to absorb the shock of hitting an obstruction, reducing the risk of damage.



The Hesston 1300 Series RazorBar™ cutterbar redefines durability.

If you're looking for commercial grade side-pull disc mower conditioners, look no further than the new Hesston 1300 Series with our patented RazorBar header. Its modular, heavy-duty design literally spells an end to costly downtime.

Not only do the wide-profile teeth offer increased gear-to-gear contact, but the entire drivetrain is designed to handle maximum load all the time.

An industry exclusive, the RazorBar header's sealed bearings don't require constant lubrication, no matter the slope of the terrain. Should the worst happen, the gear spindle will shear outside the cutterbed, keeping contamination away from the gears.

Other unique features of the RazorBar include:

- High-carbon steel knives available in a choice of degrees and bevels to match crop and field conditions.
- Counter-rotating discs with increased overlap that provide improved cut quality while minimizing crop streaking.
- Sloping disc hub mounts to help reduce debris and twine buildup.
- Ductile cast-iron module housings machined for perfect alignment and maximum durability.
- Built-in rock guards to provide structural support for the cutterbar.
- Swivel gearbox and support arm that move with the tongue to keep the driveline components in-line for exceptionally smooth operation.

EXCLUSIVE THREE-YEAR RAZORGUARD WARRANTY

Warranty provides an additional two-year parts-only warranty on top of the one-year warranty for the machine. Valid on mowers equipped with RazorBar heads including the 1359 model.



Adjustable windrow-forming shields and a swathboard allow you to tailor the windrow size and shape — as narrow as 40 inches — to your baling or harvesting needs.



The RazorBar cutterbar's modular design

allows each gear assembly and adjacent idler gear to be individually removed without disassembly of the cutterbar. The spur gear design also provides a thinner profile, allowing closer cutting with less scalping.



The internal spur gears offer high tooth-to-tooth contact at all times to transfer high torque and seamless power throughout the entire cutterbar.



The high-clearance mainframe provides an exceptional header lift height of 20 inches for better clearance over headland windrows. The added height also allows the header to be easily carried over obstacles, ditches and waterways.

**HYDRAULIC CONDITIONING
ROLL TENSION** on the 1383 &
1386. This is the first pull-type
design to have this system.



Disc mower speed meets center-pivot maneuverability.

*A constant-velocity,
mechanical driveline,
coupled with your choice
of a three-point or drawbar-
mounted swivel hitch,
provides smooth power
transfer and turn-on-a-
dime maneuverability.*

Slice through tough, tangled crops at speeds that can only be attained with a rotary disc machine and maneuverability that only Hesston 1300 Series center-pivot models can provide. Choose the Hesston 1383 with its 13-foot cutting width, or step up to the Hesston 1386 with its 16-foot cutterbed.

Both models feature industry-exclusive hydraulic conditioning roll tension which delivers consistent quality hay, resulting in a top-quality, high-nutrient crop that's more palatable and more valuable. A heavy duty rear arch frame provides exceptional support and header lift of 18 inches for better clearance over headland

windrows, as well as ditches and waterways. Everything about this rugged, high capacity mower series is designed to give commercial operators reliable, trouble-free haying performance season after season.

The herringbone steel-on-steel or rubber-on-steel conditioner rolls are powered by individual roll-drive shafts and an oil-lubricated drive gear case that reduces roll drive maintenance.

Add it all up and you've got unmatched reliability coupled with performance that is synonymous with the Hesston by Massey Ferguson name.



Performance always comes standard.

No matter which Hesston 1300 Series center-pivot disc mower conditioner you choose, you can be assured of quality performance, thanks to impressive features you won't find on most competitive machines.

Herringbone conditioner rolls

Extra-wide, 110-inch conditioner rolls increase the capacity of the header and allow the crop to be distributed into a thinner mat for more uniform conditioning.

Cage crop conveyors

Rotating cages at each end of the cutterbed help convey crop material to the conditioner rolls while preventing crop material from wrapping on the cutterbed driveshaft.

Top shield protector

Tough, poly panels on the underside of the header shields absorb the impact of rocks and debris to keep the sheet metal from being dented, scraped or exposed to rust.



Turbulence reduction roll

A turbulence reduction roll, or helper roll, located between the conditioner rolls and the cutterbed allows the conditioner rolls to be positioned farther back, improving performance in light crops and assisting crop flow in dense, heavier crop.

Pre-lubricated, sealed bearings

Pre-lubricated bearings provide a longer life, while substantially reducing maintenance, compared to cutterbeds that require regular oil checks.

Cutterbar

High tooth-to-tooth contact at all times allows the cutterbar to evenly transfer power throughout the cutterbar and help protect the cutterbar against foreign objects.

Rock guards

Smooth-profile rock guards, integrated into the cutterbed, reduce mud build-up, while protecting the disc and knives from rocks and other obstructions.

Conditioner options to match every need.

Choose the unique conditioner options that meet your specific crop and operating conditions. Regardless of model, the extra-wide width ensures thorough, uniform conditioning that helps increase the total value of your crop.

Steel-on-Steel Rolls

Designed to meet the needs of custom and commercial operators, steel-on-steel rolls feature a herringbone pattern that provides long-lasting durability while evenly distributing crop material across the full width of the rolls. They're also the best option for alfalfa, since they crimp the stems, for faster drying, while maintaining leaf quality.



Rubber-on-Steel Rolls

These rubber-on-steel conditioner rolls are fully engaged to crimp plant stems along their entire length so stems dry at the same speed as the leaves.



Rubber-on-Rubber Rolls

Featuring a herringbone tread pattern that helps improve windrow formation, our rubber-on-rubber rolls are designed for those who prefer more crushing-type conditioning action. The shallow lugs minimize leaf damage compared to deep-lug urethane rollers that tend to scuff the crop and damage the leaves.



Spoke Conditioner

A good choice for grass hay, the spoke conditioner uses 74 free-swinging spokes, spinning at 1,030 RPM, to effectively condition the crop and force it to rub against the conditioning panel. This, in turn, scuffs the waxy coating from the plant stems, allowing them to dry faster.



CONDITIONER OPTIONS					
MODEL	1359	1363	1366	1383	1386
Rubber-on-Steel				✕	✕
Steel-on-Steel	✕	✕	✕	✕	✕
Rubber-on-Rubber	✕	✕	✕		
Spoke Conditioner		✕	✕		
Less Conditioner		✕	✕		



Customized performance.

Although Hesston 1300 Series disc mower conditioners are built to handle nearly any type of material or challenge, certain situations call for additional equipment. That's why we offer all the options you could ever need to match your specific cropping program. These include:

- Topping skids and/or skid shoes for additional ground clearance.
- A hydraulic header tilt on select models for on-the-go cutterbar angle adjustment.
- Filler pan kit (1383-1386 only) for enhanced performance in tall stalk or biomass crops.

Invest wisely.

Hesston by Massey Ferguson has built a worldwide following by building equipment that lasts. We understand that buying any piece of equipment represents an investment of your hard-earned dollars. That's why we go the extra mile right from the start, so our machines go the extra mile for years to come. It's a tradition we've maintained for 70 years.

LOW-RATE, FLEXIBLE FINANCING

Your dealer and AGCO Finance offer attractive financing to make sure a new Hesston 1300 Series disc mower conditioner will fit your operating budget. Extremely competitive rates and terms make it easy to buy or lease.



A great deal includes a great dealer.

If you're like most farmers, when you find the perfect piece of equipment, it becomes almost like part of your family. And when you buy a Hesston 1300 Series disc mower conditioner, you instantly become part of ours. Our network of dealers knows what it takes to put up quality hay, and they have the knowledge to match the right mower or mower conditioner with the right producer. They'll advise and support you throughout the selection process, the buying process, through operation, maintenance and beyond. Because our dealers share your passion for farming, they're happy to share their knowledge to keep you working happily and productively. After all, you're family. And there's nothing we wouldn't do for family.

All-inclusive warranty

Even our warranty is high-performance. The one-year/unlimited-hour, all-inclusive warranty on parts and labor is one of the best in the business. More importantly, it's backed by dealers who understand how to help you make the most of it.

AGCO Parts

Genuine Hesston by Massey Ferguson replacement parts are manufactured to the same high standards of quality and dependability as the original part used on the assembly line. Using original equipment parts will help keep your mower or mower conditioner running like new for a long time.



EXCLUSIVE THREE-YEAR RAZORGUARD WARRANTY

Warranty provides an additional two-year parts-only warranty on top of the one-year warranty for the machine. Valid on mowers equipped with RazorBar heads including the 1359 model.

Questions? Go to Hesston.com

Our website opens the door to all sorts of technical information and product specifications. If you can't find what you're looking for, click on "contact us" and we'll provide you with access to folks who can get you all the answers.

Build & quote

Easily configure, price and compare equipment using our "Build my Massey Ferguson" tool. You can sort through available product options and design machines to fit your unique needs.

Visit masseyferguson.com/buildmymassey



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DISC MOWER CONDITIONER MODEL		1359	1363
Dimensions and Weights			
Width of cut: ft. (m)	9.3 (2.8)	9.8 (3.0)	
Overall width: ft. (m)	11 (3.3)	9.8 (3.0)	
Weight: lbs. (kg.)	3,240 (1,469)	4,520 (2,050)	
Mainframe and Header			
Pull/Pivot		Side	
Header lift range: in. (mm)	14 (356)	20 (510)	
Header flotation	Radial and vertical with adjustable springs		
Tires	9.5L x 14SL	11L-15, 31 x 13.5-15 (opt)	
Cutterbed			
Cutterbar design	Modular component shaft drive	Spur gear- RazorBar	
Cutting height: in. (mm)	1.8 to 3.0 (44 to 76)	0 to 8 (0 to 203)	
Cutterbar operating range	0° to 8°	0° to 6°	
Number of discs	7	6	
Number of knives	14 (2 per disc)	12 (2 per disc)	
Drive	Hex shaft from gearbox	3B powerband/gearbox	
Disc speed: RPM	3,000	2,200	
Knife tip speed: mph (km/hr)	175.8 (289)	162 (260.7)	
Knives	Swingaway, reversible		
Conditioner			
Roll type	Steel on steel or rubber on rubber	Herringbone steel on steel or rubber on steel, Tine conditioner	
Length: in. (mm)	84 (2,134)	73 (1,854)	
Speed: RPM	735	1,045	
Roll separation	Hydraulic w/ header raise	NA	
Drive	U-joint drivelines from gearbox		
Diameter			
Upr. Rubber-on-Steel roll: in. (mm)	NA	NA	
Upr./lwr. Steel-on-Steel roll: in. (mm)	9.3 (235)	8.2 (209)	
Rubber-on-Rubber roll: in. (mm)	9.5 (242)	8.0 (203)	
Roll Speed: RPM	735	1,045	
Length: in. (mm)	84 (2,131)	73 (1,854)	
Less conditioner	NA	Opt.	
Tine conditioner	NA	Opt.	
Tine conditioner diameter: in. (mm)	NA	18 (462)	
Number of double tines	NA	40	
Tine speed: RPM	NA	1,056	
Windrow Width			
Windrow formation max: in. (mm)	72 (1,829)	73 (1,854)	
Windrow formation min: in. (mm)	30 (72)	42 (1,067)	
Tractor Requirements			
Min. PTO horsepower (kW)	60 (45)	75 (56)	
PTO speed	540		
Hydraulics	1 DAV; 1 SAV		

AGCO may at any time, and from time to time, for technical or other necessary reasons, modify any of the data, specifications or warranty of the products described herein. Some equipment shown may be optional. Attention: Photographs in this publication may show protective shields and guards open or removed for the purposes of illustration. Be certain all shields and guards are in place during operation.

DISC MOWER CONDITIONER MODEL		1366	1383	1386
Dimensions and Weights				
Width of cut: ft. (m)	9.8 (3.0)	13 (3.9)	16 (4.8)	
Overall width: ft. (m)	9.8 (3.0)	13.25 (4)	16.25 (4.9)	
Weight: lbs. (kg.)	5,050 (2,291)	6,660 (3,020)	8,150 (3,697)	
Mainframe and Header				
Pull/Pivot		Center		
Header lift range: in. (mm)	20 (510)	18 (457)		
Header flotation		Radial and vertical with adjustable springs		
Tires	11L-15, 31 x 13.5-15 (Opt.)	31 x 13.5 x 15		
Cutterbed				
Cutterbar design		Spur gear- RazorBar		
Cutting height: in. (mm)	0 to 8 (0 to 203)	1.25 to 3 (32 to 76)		
Cutterbar operating range		0° to 6°		
Number of discs	6	8	10	
Number of knives	12 (2 per disc)	16 (2 per disc)	20 (2 per disc)	
Drive	3B powerband/gearbox	2B banded belt		
Disc speed: RPM	2,200	2,450		
Knife tip speed: mph (km/hr)	163 (260.7)	178 (287)		
Knives		Swingaway, reversible		
Conditioner				
Roll type	Herringbone steel on steel or rubber on steel, Tine conditioner	Herringbone steel-on-steel or rubber-on-steel		
Length: in. (mm)	73 (1,854)	109.8 (2,790)		
Speed: RPM	1,045	1,037	1,215	
Roll separation		NA		
Drive		U-joint drivelines from gearbox		
Diameter				
Upr. Rubber-on-Steel roll: in. (mm)	NA	8 (203)		
Upr./lwr. Steel-on-Steel roll: in. (mm)	8.2 (209)	7.7 (196)		
Rubber-on-Rubber roll: in. (mm)	8.0 (203)	NA		
Roll Speed: RPM	1,045	1,037	1,215	
Length: in. (mm)	73 (1,854)	110 (2,794)		
Less conditioner	Opt.	NA		
Tine conditioner	Opt.	NA		
Tine conditioner diameter: in. (mm)	18 (462)	NA		
Number of double tines	40	NA		
Tine speed: RPM	1,056	NA		
Windrow Width				
Windrow formation max: in. (mm)	73 (1,854)	96 (2,438)		
Windrow formation min: in. (mm)	42 (1,067)	40 (1,016)		
Tractor Requirements				
Min. PTO: horsepower (kW)	75 (56)	100 (75)	120 (89)	
PTO speed	540	1,000		
Hydraulics	1 DAV; 1 SAV	2 DAV		

HESSTON
by MASSEY FERGUSON



AGCO is a premier manufacturer of agricultural equipment, providing high-tech solutions for professional farmers feeding the world. The company is dedicated to delivering superior customer service, innovation and quality. AGCO products are distributed in more than 140 countries worldwide.

We proudly support:



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