Merge Maxx® Commercial Hay Mergers

TWIN & TRIPLE









MAXIMUM PRODUCTIVITY & PERFORMANCE

KUHN MERGE MAXX® HAY MERGERS ARE THE WIDEST AND MOST EFFICIENT MERGERS ON THE MARKET TODAY, CREATING FLUFFY, EASY-TO-HARVEST WINDROWS. THEY ARE UNIQUE IN THE INDUSTRY AND UNMATCHED IN SIMPLICITY OF OPERATION, DURABILITY AND MERGING CAPABILITIES.







SUPERIOR WINDROWS
Commercial-grade conveyors effectively transition forage into the windrow, regardless of discharge direction. Consistent, fluffy windrows improve harvesting efficiency and promote smooth haymaking.

SIMPLE AND EASY TO USE
KUHN twin and triple mergers are designed for easy adjustments without having to leave the comfort of the tractor cab. Engineered to adapt to varying field conditions and crop types, KUHN mergers can handle it all!

Models	No. of Pickups & Conveyors	Model Type	Continuous Pickup Width	HP Requirement
MM 701	2	Side Delivery	24' (7.3 m)	100 hp (75 kW)
MM 890	2	Side Delivery	30' (9.1 m)	120 hp (90 kW)
MM 952	2	Center Delivery	24'6" (7.5 m)	85 hp (63 kW)
MM 1092	2	Center Delivery	33'9" (10.3 m)	95 hp (71 kW)
MM 1102	3	Side Delivery	36' (11 m)	140 hp (104 kW)
MM 1302	3	Side Delivery	42' (12.8 m)	160 hp (119 kW)

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TAKING EFFICIENCY...TO THE MAXX

With up to 42' (12.8 m) of pickup in a single pass, KUHN MM Merge Maxx® hay mergers are the largest and most efficient machines on the market today. They are unique in the industry and unmatched in simplicity of operation, durability and merging capabilities.

These mergers move crop quickly and cleanly to make uniform windrows for easy pickup with either a forage harvester or baler. Various types of rakes can lead to increased incorporation of ash, dirt or stones in your windrow which can significantly impact your bottom line. You can depend on KUHN twin and triple hay mergers to provide a clean, consistent windrow along with improved leaf retention for nutrient-rich hay and forage. By having a clean, uniform windrow, your baler or forage harvester will be more efficient, being able to maintain faster, more consistent ground speeds with fewer stops.



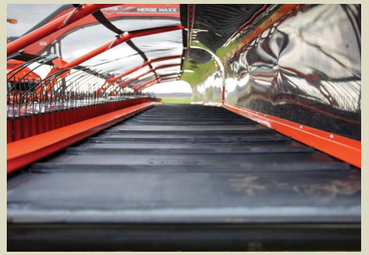
FLOATING SKID SHOES

Dual, wide skid shoes allow each head to rapidly adapt to undulating field conditions while maintaining a very low ground pressure. Floating skid shoes are a KUHN exclusive. The pivoting action allows the pickups to float over pivot tracks and rough terrain. Additionally, the special shape and pivoting of the shoe allows for self-cleaning when lifted into the headland position to eliminate crop buildup. The skid shoes are reversible on their mounts for even wear and longer life.



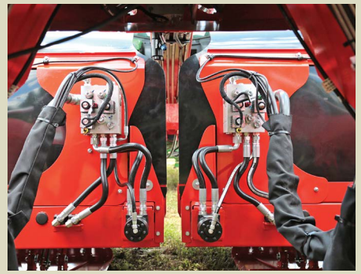
NARROW AND SIMPLE TRANSPORT

The simple folding design allows for a quick transition from field to road. Transport is a narrow 9'10" (3 m) on the MM 952 and MM 1092, 10' (3 m) on the MM 701, 10'3" (3.1 m) on the MM 890 and 12'1" (3.7 m) on the MM 1102 and MM 1302. Balanced tongue weight during transport and in the field helps maintain control at all times.



HEAVY-DUTY CONVEYORS

Commercial-grade belt conveyors allow the crop to effectively transition into the windrow, regardless of discharge side. The conveyor belt is self-cleaning and requires no tracking adjustments. Each conveyor has an easy-to-access splice for fast removal or replacement if necessary due to maintenance or normal wear.



HYDRAULIC CONTROLS

The hydraulic drive pumps oil through the main hydraulic blocks to run all the functions on each head including pickup speed, belt direction and skid shoe height.



HYDRAULICALLY ADJUSTABLE PICKUP HEIGHT

The hydraulically adjustable pickup height allows an operator to easily make changes from the ISOBUS terminal to the skid shoes. Height change is synchronized and accomplished through a cylinder mounted on each head. Relative head height is visible via the gauge on the terminal.



THE DIFFERENCE IS CONTROL

One key to achieving the productivity you expect from your KUHN machine is the user friendly interfaces we offer. Users can tailor their machine to their field and crop conditions to maximize efficiency. We listened carefully to our customers to develop our user interfaces and monitors. The objective is to have a clear view of what your machine is doing at any time and to have all the important settings at your fingertips. The IntelliMerge® ISOBUS control system allows the operator to run the machine, make adjustments, receive performance feedback and carry out diagnostics from the comfort of the cab. When adding a CCI 60, CCI 800 or CCI 1200 monitor to a non-ISOBUS tractor, the displays can be used with other ISOBUS compatible machines when not used with the merger.

INTELLIMERGE

INTELLIMERGE® ISOBUS CONTROL SYSTEM

The IntelliMerge ISOBUS control system provides operators with simple push button controls, as well as an intuitive layout of key machine performance factors. IntelliMerge has the ability to disable certain sensors so the operator can finish up a field with limited functionality if a sensor fails. The system also includes an acre counter.



OPTISENSE™ BELT STALL INDICATOR

The OptiSense™ belt stall indicator alerts the operator when the belts start to slow down when approaching the maximum capacity of the machine. This gives the operator a chance to react before the machine plugs. If the belts stop, the system will shut down the machine to avoid damage to the belts and prevents further plugging of the machine.

Standard on the MM 890/1102/1302. Optional on the MM 701.
Not available on MM 952/1092.

THE WORLD'S FIRST ISOBUS COMPATIBLE HAY MERGERS!

These user interfaces get you in and out of the field faster to save you valuable time and money. The intuitive layout not only makes operation a breeze, but also provides the operator with the feedback needed to push the machine to maximum productivity.

1. **With the electronically controlled speed adjustment system,** an operator can quickly and easily adjust pickup speed inside the cab on-the-go to perfectly match crop conditions. With this feature you can maximize leaf retention, especially if merging drier legumes such as alfalfa. In heavy grass crops, the pickups can also be sped up to promote faster working speeds.

2. **In automatic mode,** the merger will adjust pickup speed automatically as ground speed varies. This maximizes pickup efficiency, while minimizing damage to crop and wear of the pickup.

3. **Acre and hour counters** can be used by reading the tractor's speed and machine width to aid in recording custom operations.

4. **Cleanout mode** can be activated in the instance of a plugged machine. This feature lets the operator unplug and clean out the machine from the cab without ever having to leave the tractor.

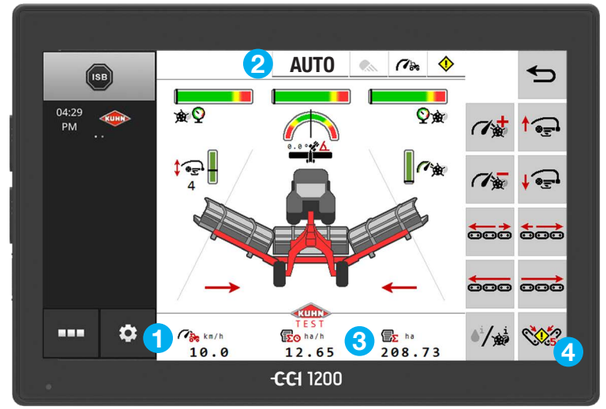
5. **The electronic conveyor directional control** allows operators to rapidly change the direction from all left, all right or split directly from the operator's seat by simply touching the appropriate key. Operators merging in fields with varying volume throughout may find this particularly valuable.

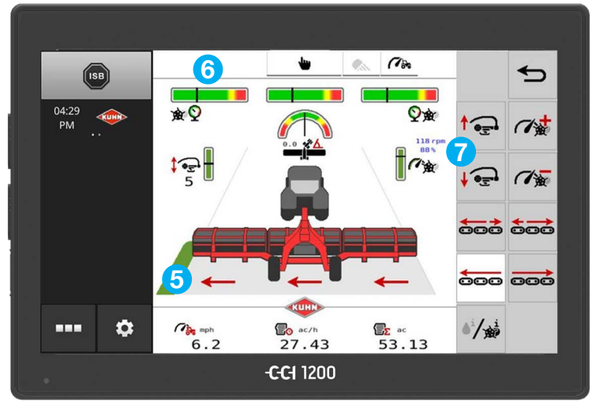
6. **Pickup efficiency** indicates relative capacity of the pickups giving a visual indication to the operator of machine efficiency.

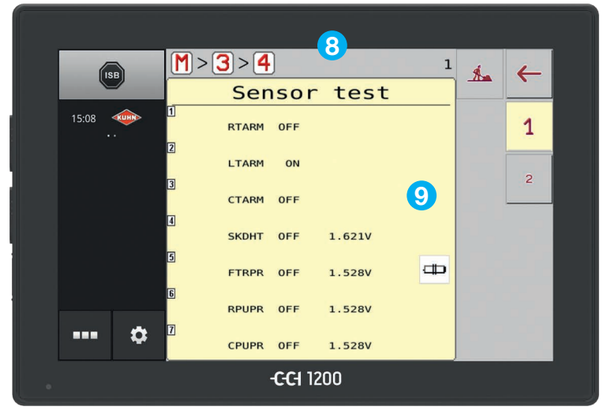
7. **The hydraulically adjustable pickup height** allows an operator to easily make changes from the ISOBUS terminal via the skid shoe adjustment. Relative height is visible via the gauge on the terminal.

8. **Troubleshooting** is a breeze thanks to the sensor test screen. The user is able to see the current readings for sensors on the machine, making it quick and easy to track down anything outside normal parameters.

9. **In the event a sensor does fail, many are interchangeable,** allowing an operator to move the belt stall sensor to the headland lift sensor location to keep the machine running. Or if the operator chooses, several sensors have the ability to deactivate to stop notifications if the operator needs to finish a field before repairing the machine.

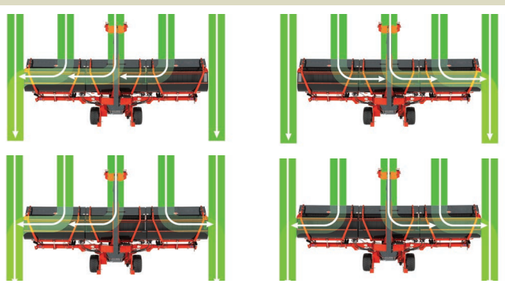




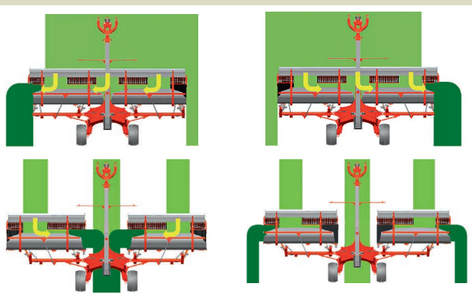


VERSATILE & ADAPTABLE TO MEET YOUR NEEDS





MM 1102 & 1302



MM 952 & 1092

MULTIPLE DELIVERY OPTIONS

The MM 701, 890, 1102 and 1302 can merge crop to the left, right, split or with either wing in the raised position. Having the ability to raise the wings independently is particularly useful for opening up fields, merging around obstacles or cleaning up point rows in irregularly shaped fields.

MM 952 and 1092 mergers can merge crop to the left, right, center, or split, creating eight different delivery methods to best match your operation's harvesting needs.

NO STEERING AXLE NEEDED

Merge Maxx® twin and triple mergers do not require a steering axle, even on steep hillsides. This is a result of the short wheelbase and is an advantage over competitive mergers. This simplification reduces routine maintenance and improves overall reliability. An added benefit of the short wheelbase is reduced tongue weight, so the tractor does not get “pushed around” by the merger.



HAY MERGERS TWINS & TRIPLES

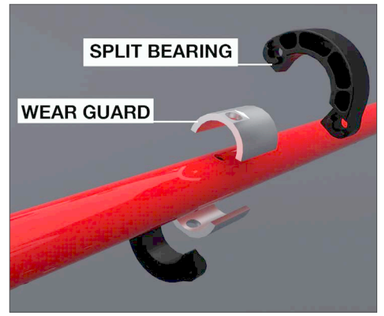
IT ALL STARTS WITH THE PICKUP

When it comes to merging crop, a tough, durable pickup that operates in varying conditions is the first and most critical step. Merge Maxx twin and triple pickups are designed to be the most dependable whether merging fine, delicate legumes, thick, heavy grass or anything in between. Outstanding flotation characteristics and an optimized design make merging a simple and low-maintenance job.



SPLIT BEARING DESIGN

The two-piece poly tine bar bearing greatly simplifies periodic maintenance. KUHN MM hay mergers now have a new tine bolt with fewer pieces. The specially designed bolt holds itself so only one wrench is needed to change pickup tines.



BEARING WEAR GUARDS

Exclusive in the industry, standard bearing wear guards maximize tine bar life by providing an easily replaceable, split mounting surface. If you're merging in abrasive soils, you'll especially appreciate this feature as a wear guard set can be replaced, with the tine bar installed, in under one minute.



ANTI-WRAPPING DISCS

To minimize wrapping in long crops, such as oats or long grasses, patented HDPE anti-wrapping discs are integrated in the ends of the pickups and rotate with the tine bars. This small improvement reduces the dead space, where long crop likes to wrap, as seen with all pickup style mergers.

Not available on MM 952/1092.







CONSTANT FLOAT® SUSPENSION

A simple and effective mechanical suspension system is utilized for superior flotation. This unique design, inspired by the proven KUHN trailed disc mowers, eliminates complicated hydraulic requirements and the need for tractor float valve engagement, unlike other mergers in the industry.



2-POINT HITCH

The specially designed 2-point hitch makes hookup quick and easy. The swiveling headstock eliminates driveline chatter and allows up to 90-degree turns. The hitches on all KUHN hay merger models are quick-hitch compatible.



HYDRAULIC ON/OFF BELT CONTROL

When raising the pickups at the headlands, the belts and pickups automatically turn off to keep crop from being sent into the headland at the end rows. Operators can lower the pickups to the working position when coming back into the windrows to make the pickups automatically turn back on and deposit the remaining crop into the windrow. A single button allows the belt to be disengaged while in the working position, enabling the operator to collect any missed crop and place it into the windrow.



HIGH-CAPACITY PICKUPS WITH INTEGRATED FRAMES

Commercially designed pickups treat crop gently, yet are built and tested for extreme use. A high-strength, steel alloy greatly improves wearing characteristics. The dual-cam design, with large, heavy-duty, sealed cam followers, provides extra-long life even in the toughest conditions. KUHN high-capacity pickups are designed and built with integrated frames to improve the strength and durability. The integral frames eliminate areas where crop can pinch underneath the head keeping the belts running at peak efficiency.



CROP NETTING

Standard crop netting limits leaf loss during transition to the belt and ultimately improves leaf incorporation in the windrow. On the MM 701 and MM 890, users can adjust the netting from fully extended to halfway or fully retracted to match their needs.



OIL COOLER

For added performance in demanding conditions, a standard oil cooler on the MM 890, MM 1102 and MM 1302—and an optional cooler on the MM 701—helps maintain optimal operating temperatures. The system automatically activates when oil temperatures exceed 125°F, while a reversing fan cycles every 10 minutes to clear dust and chaff, ensuring consistent cooling performance.





LOOKING FOR MORE MERGER OPTIONS?

Scan the QR code to the right to learn more about KUHN's self-propelled mounted merger heads.

TWIN MERGERS: IN A CLASS OF THEIR OWN

With working widths of 24' and 30', and many of the features KUHN mergers are known for, the MM 701 and MM 890 provide operators with the working power of a triple merger in the compact size of a twin. Designed for mid- to large-dairy operations and commercial forage growers, they can merge to the left, right or 50/50 split, creating even windrows for the forage harvester. The IntelliMerge® ISOBUS control system is standard on both the MM 701 and 890, improving operator ergonomics and operational efficiency.



36" WIDE CONVEYOR

Commercial grade belt conveyors allow the crop to be effectively transitioned into the windrow, regardless of discharge side. The conveyor belt is self-cleaning and requires no tracking adjustments. Each conveyor has an easy to access splice for fast removal or replacement if necessary due to maintenance and normal wear.



FLOATING TINE WINDGUARD

The floating windguard eliminates the need to make routine adjustments when merging different crops or cuttings. The simple geometry of the floating linkage means the windguard is automatically optimized for differing volumes of crop. The long, curved fingers provide excellent crop guidance onto the belt for fluffy, even windrow creation, increasing harvest speed.



BELT TENSION ADJUSTMENT

The quick-release belt tensioning system simplifies storage and routine adjustment. Easy adjustment from one side maintains uniform pressure over the width of the belt. It is recommended to take the tension off of the belts in between cuttings and during the off season.



CENTER-DELIVERY MODELS:
MAKE THE MOST OF YOUR FORAGE

With a 3' (0.9 m) wide conveyor and up to 36' (11 m) of working width, KUHN Merge Maxx® MM 952 and MM 1092 hay mergers are ideal for larger farms and custom operators who depend on reliable and adaptable hay mergers to increase their operation's efficiency. The MM 952 and MM 1092 hay mergers are known for their versatility, with the ability to create a uniform windrow, using both center-, side- or split-delivery, in a wide variety of forages.



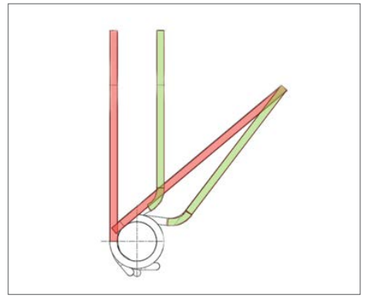
SMALL-DIAMETER PICKUPS

The small-diameter pickup allows for optimal forage collection in light, short crop as well as heavy, dense crop. The speed of each pickup can be reduced to protect forage quality. The cam track design creates an effective path of transfer from the tines to the conveyor belt for improved capacity. Also, the plastic strippers excel in wet conditions to improve crop flow.



ROLLER WINDGUARD

The solid windguard with roller provides excellent crop guidance onto the center of the belt for a full and consistent windrow. In addition, the guide roller ensures consistent crop flow, resulting in superior windrow formation. ISOBUS controls allow the operator to conveniently adjust the windguard to best suit their crop type.



IMPROVED TINE & TINE BAR DESIGN

Redesigned curved tines reduce stress on the tine and cam roller by 37%, increasing overall longevity of the pickup and reducing the amount of wear and maintenance cost. The cam follower arms have been extended, reducing rotation angle by 32% to limit downtime. In addition, the incorporation of KUHN's exclusive split bearing design means minimal maintenance time and maximal tine bar longevity.



2-POINT HITCH

The 2-point hitch on MM 952 and MM 1092 models features integrated shock absorbers for increased comfort in both transport and working positions. The hitch is Cat 2 and 3N quick-hitch compatible.



HYDRAULIC SUSPENSION

Hydropneumatic suspension, similar to KUHN's triple mowers, is standard on the MM 952 and 1092 mergers. This system is very responsive and allows the unit to float smoothly over uneven terrain to ensure excellent ground following. The operator can easily set the pressure via the ISOBUS terminal.



FLOTATION TIRES

Standard flotation tires are used to reduce field compaction. Additionally, the bar tread design helps prevent rutting when merging in wet field conditions.





PERFORMANCE YOU CAN SEE IN EVERY WINDROW

The MM 1102 and 1302 commercial mergers deliver a major step forward in power, capacity and operator experience, while maintaining the proven 36' and 42' working widths. With increased hydraulic horsepower, a wider conveyor belt and a solid floating windguard, the 02 Series delivers better crop handling, higher capacity and more consistent windrows. Operators benefit from the updated IntelliMerge ISOBUS control with improved diagnostics and expanded adjustability. Structural improvements—including cast frame components, refined skid shoe design, larger conveyor bearings and an extended tongue—enhance reliability in demanding conditions. Added conveniences like AutoLube and optional tunnel and discharge lighting round out a merger built for greater productivity and reduced downtime.



42" WIDE CONVEYOR

With one of the widest in the industry, the 42" (1.1 m) belt provides a 17% increase over the previous model. This system delivers the capacity needed to create a smooth, consistent windrow, even in the heaviest crops. Designed for low maintenance and reliable performance, the conveyors feature self-cleaning operation and require no tracking adjustments. A bolted belt splice allows for quick removal or replacement.



SOLID FLOATING WINDGUARD

The redesigned solid windguard allows the operator to control and direct the crop flow, to utilize the wider belt to its full capacity. The floating design provides a smooth, controlled transition from pickup to belt, improving crop flow while reducing loss. Its reinforced construction enhances strength and durability for reliable performance in demanding conditions. Adjustable turnbuckles allow operators to fine-tune the pitch angle, while the spring system lets the windguard float freely, automatically adapting to changes in crop volume.



SPRING BELT TENSIONER

The redesigned belt system minimizes the need for adjustments, using a spring mechanism to maintain proper belt tension at all times. When adjustments are required, operators can quickly set the correct tension using the built-in visual gauge. For maximum belt life, it is recommended to release tension between cuttings and during off-season storage.



INCREASED HYDRAULIC CAPACITY

A large PTO-driven hydraulic pump mounted beneath the 2-point hitch, delivers 26% more hydraulic power for stronger, more consistent performance in heavy crop conditions. The tongue-mounted hydraulic reservoir features a sealed bulkhead design to prevent oil leakage and contamination, ensuring clean, reliable operation within the closed system. A high-capacity reservoir keeps oil cooler during operation, protecting components and maintaining peak efficiency.

Customized to Fit Your Operation

OPTIONAL EQUIPMENT



SWATHBOARD

The optional right-side swathboard mimics the windrow formation of a rotary rake. With this simple, bolt-on device, you can make a well-formed, boxy windrow, well suited for a baler. Additionally, forage harvester operators will find it improves windrow formation even further, increasing harvester efficiency.

Available on the MM 701, 890, 952 and 1092.



4' BELT EXTENSION

The 4' (1.2 m) belt extension on the right side optimizes merging capability behind a 15'-18' (4.6-5.5 m) mower conditioner. It includes a bolt-on frame and belt extension, giving you the ability to merge up to 90' (27.5 m) of crop together in a 10' (3 m) or less windrow to maximize harvester efficiency (not intended for use in tedder crop).

Available on the MM 701 and 890.



ROLLER KIT

Optional rollers create additional header flotation in abrasive conditions, reducing friction. When not needed, the rollers retract for normal working conditions to take advantage of the full contact surface of the wide shoes.

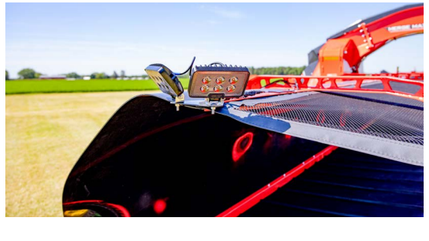
Available on the MM 952 and 1092.



AUTOLUBE GREASE PUMP

Take the guesswork out of maintenance. When the terminal is on and there is grease in the pump, the machine is getting lubricated. This system saves the operator time every day.

Standard on the MM 1102/1302.
Available on the MM 890 and MM 701 (when equipped with Central Lubrication System).



TUNNEL & DISCHARGE LIGHTS

For operators merging a lot of acres in the dark, the optional discharge and tunnel lighting ensure smooth operation and windrow placement in the nighttime hours.

Available on the MM 1102 and 1302.

Technical Specifications

	MM 701	MM 890	MM 952	MM 1092	MM 1102	MM 1302
Working width	24' (7.3 m)	30' (9.1 m)	Side delivery: 24'6" (7.5 m), Center delivery: 26'10" to 31'2" (8.2 to 9.5 m)	Side delivery: 33'9" (10.3 m), Center delivery: 31'9" to 36' (9.7 to 11 m)	36' (11 m)	42' (13 m)
Number of pickups and conveyors	2				3	
Individual pickup width	12' (3.7 m)	15' (4.6 m)	12' (3.7 m)	15' (4.6 m)	12' (3.7 m)	Left pickup: 15' (4.6 m) Center pickup: 12' (3.7 m) Right pickup: 15' (4.6 m)
Conveyor length	11'10" (3.7 m)	14'10" (4.5 m)	11'9" (3.6 m)	14'4" (4.4 m)	11'10" (3.6 m)	Left: 14'10" (4.5 m) Center: 11'10" (3.6 m) Right: 14'10" (4.5 m)
Conveyor width	36" (0.9 m)				42" (1.1 m)	
Discharge capability	Right. left, or split		Side, center, split, center+side		Right, left, or split	
Pickup windguard	Standard					
Crop nets	Standard - Adjustable		-		Standard	
Number of tine bars	6		5		6	
Cam followers	Sealed roller bearings					
Pickup height	5/8" - 3 1/8" (16 - 80 mm)					
Adjustable skid shoes	via ISOBUS terminal					
Header flotation	Constant Float® suspension		Hydropneumatic suspension		Constant Float® suspension	
Header suspension travel	14" (+8", -6") 35.6 cm (+20.3 cm, -15.2 cm)		20" (+12", -8") 50 cm (+30 cm, -20 cm)		14" (+8", -6") 35.6 cm (+20.3 cm, -15.2 cm)	
Hitch	2-point swivel hitch, Cat. 2, 3N and 3, quick-hitch compatible		2-point - Pivoting lower links - Cat. 2 and 3N		2-point swivel, Cat. 3/4N/4, quick-hitch compatible	
Self-contained hydraulic drive	Standard	Standard with cooler	Standard		Standard with cooler	
Pickup speed control	via ISOBUS terminal					
Conveyor direction control	via ISOBUS terminal					
ON/OFF conveyor control without disengaging the pickup	via ISOBUS terminal					
Pickup height gauge	via ISOBUS terminal					
Belt stall detection	Optional OptiSense™ System		-		Standard OptiSense™ System	
Conveyor side shift	-		via ISOBUS terminal		-	
Transport width	10'3" (3.1 m)		9'10" (3 m)		12'4" (3.8 m)	
Transport length	24'6" (7.5 m)	28'4" (8.7 m)	24'3" (7.4 m)	26'10" (8.2 m)	29'11" (9.1 m)	
Transport height	12' (3.6 m)		11'9" (3.6 m)		12'10" (3.9 m)	
Tires	16.5"L X 16.1" 10 - ply imp.	500/45-22.5 flotation			Standard 550/45-22.5 flotation tires, mounted	
Central lube system	Optional	Standard	-			
AutoLube System	Optional		-		Standard	
PTO	1 3/8" - 21 spline					
PTO speed	1,000 rpm					
Minimum PTO power requirement	100 hp (75 kW)	120 hp (90 kW)	85 hp (63 kW)	95 hp (71 kW)	140 hp (104 kW)	160 hp (119 kW)
Road lights and signaling	Standard					
Required tractor electrical connections	1 SAE 7 pin light connection, 12V power, ISOBUS plug					
Required tractor hydraulic connections	2 DA; no float valve required		Connection in LS: 1 x Pressure, 1 x Free return, 1 x Load sensing		3 DA; no float valve required	
Approximate machine weight	9,800 lbs (4,445 kg)	10,700 lbs (4,855 kg)	10,805 lbs (4,900kg)	11,575 lbs (5,250 kg)	18,200 lbs (8,255 kg)	18,900 lbs (8,570 kg)

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