Rotary Rakes | Trailed and Semi-Mounted GA TWIN-ROTOR RAKES







## ROTARY RAKES DESIGNED TO MEET YOUR NEEDS

LONG, FLEXIBLE TINES TOUCH THE CROP JUST ONCE, LIFTING AND PLACING IT NEATLY INTO THE WINDROW. THIS RAKING ACTION ALLOWS THE HAY TO BE RAKED DAMP AND PROMOTES FASTER DRY DOWN TIME IN THE WINDROW. FOR CROPS SUCH AS ALFALFA, THIS GENTLE HANDLING, IN CONJUNCTION WITH BEING ABLE TO RAKE WHEN THE HAY IS STILL DAMP, ENSURES THE LEAVES WILL REMAIN INTACT. THIS SUPERIOR WINDROW FORMATION ALLOWS FOR MORE EFFICIENT HARVESTING SINCE THE CROP IS NOT ROPED AS COMPARED TO OTHER RAKES.



## Summary

Shared GA Features	4-7
GA 6501 / GA 7501+	8-9
GA 8131 / GA 8731+ / GA 9531+	10-13
Side-Delivery vs. Center Delivery, Trailed vs. Semi-Mounted	14-15
GA 6002	16-17
GA 6632 / GA 7932 / GA 9032	18-21
GA 6930 / GA 7530 / GA 8030 / GA 8830	22-23
Control Boxes	24
Specifications	26-27

EXCEPTIONAL PERFORMANCE AND LOW MAINTENANCE The exclusive Masterdrive® gearbox sets the bar for reliability and long life. The patented double reduction design provides the versatility to handle a wide range of crops and high volumes. The result is outstanding performance, even in the most challenging conditions.

## SAVE TIME AND MONEY

Saving time means reduced harvesting costs. KUHN rotary rakes provide fast, efficient operation while maintaining high-quality raking to maximize the nutrient value of your forage.

Models	Maximum Working Width	Horsepower Requirement	Windrow Delivery
GA 6002	17'9" (5.4 m)	40 (30 kW)	Side
GA 6632	21'4" (6.5 m)	40 (30 kW)	Side
GA 7932	25'1" (7.7 m)	55 (40 kW)	Side
GA 9032	28'10" (8.8 m)	80 (59 kW)	Side
GA 6930	22'4" (6.8 m)	54 (40 kW)	Side
GA 7530	24'3" (7.4 m)	60 (45 kW)	Side
GA 8030	27'3" (8.3 m)	68 (50 kW)	Side
GA 8830	28'10" (8.8 m)	70 (50 kW)	Side
GA 6501	21' (6.4 m)	40 (30 kW)	Center
GA 7501+	24'3" (7.4 m)	50 (37 kW)	Center
GA 8131	26'3" (8.0 m)	60 (45 kW)	Center
GA 8731+	28'2" (8.6 m)	68 (50 kW)	Center
GA 9531+	30'6" (9.3 m)	75 (55 kW)	Center

## A CLEAN FIELD AND A CLEAN CROP

Uniform and fluffy windrows greatly contribute to quick drying and uniform crop pickup. KUHN rotary rakes achieve this by following two basic principles for ideal crop placement:

- Tine arms maintain a positive forward angle right up to the point where the forage is delivered to the windrow
- The tines are raised quickly and at the very last moment before going over the top of the windrow

These principles allow KUHN rotary rakes to create superb windrows that let air and sunlight in for faster drying.

## THE CONCEPT'S ADVANTAGES AT A GLANCE

Hyper-tangential tine arms improve windrow formation over the competition:

- Larger and fluffier windrows are formed
- Crop is effectively pushed towards the outside of the rotor, thus towards the windrow
- Easier crop pickup by the baler or forage harvester with minimum loss
- No risk of pulling crop out of a formed windrow
- High-quality raking at higher speeds due to a reduced distance between tine passes







## TINE ARMS FOR HIGH-QUALITY RAKING RESULTS

The double curve hyper-tangential tine arms provide cleaner raking, improved windrow formation and increased forward speeds when compared to other tine arm mounting designs. They eliminate the need for additional tine arms or adjustable cams. The distance between tine arm passes is significantly reduced, so there is less risk of crop being left unraked. Losses are reduced to a minimum at lower or higher working speeds.



## PROVEN TINE DESIGN FOR CLEAN FORAGE

The tine angle provides clean raking and gentle handling of the crop, whether light or heavy, with minimal ground contact. The tines are made of heat-treated steel, optimizing service life and increasing resistance to wear. The tines are attached without running the tine arm through the coils, which provides a greater range of motion for each tine's three large diameter coils, extending tine life.



## **A GEARBOX TO HANDLE THE HEAVIEST CROP**

Agricultural machines have to withstand tough conditions with wide working widths and greater demands for reliability and performance.

For rotary rakes, this is especially critical for the heart of the machine: the rotor drive. KUHN developed fully enclosed gearboxes to completely protect the drive parts and reduce wear. The Masterdrive® gearbox is the heaviest-duty gearbox in the industry with exceptional reliability and durability for all operations.

## **GENERATION III MASTERDRIVE:** MAXIMUM DURABILITY

The Masterdrive GIII has been designed to handle massive stresses on the drivetrain. The gear box is designed for today's increased working widths and larger rotor diameters. Raking difficult materials such as heavy and dense grass, or lighter crops like dry hay and straw, are all handled with ease.



## **MASTERDRIVE<sup>®</sup>** GEARBOX



No uneven contact when driving over rough terrain

## KUHN PATENT

## MAXIMUM GEARBOX LIFE

The Masterdrive gearbox has an industry exclusive two-stage reduction drive. The second spur-gear drive ensures consistent gear alignment and considerably smaller clearances between the two gears. This increases durability of the whole assembly in difficult conditions. The design reduces wear on the gears and eliminates routine rotor gearbox oil changes. The two stages also make it possible to include larger spur gears with more teeth for better overall power transmission.

## **DESIGNED TO LAST**

- Larger follower bearing diameter less rotational speed, less pressure on the cam • Tine arms with large-dimension bearings
- Sturdier pivoting tine support shaft
- Reinforced main shaft
- Reinforced mounting of tine arms on tine holders (bolted)

## **BUILT FOR CUSTOM OPERATORS**

Performing well and being effective when the crop has to be harvested, the Masterdrive GIII helps make the most of weather windows, especially on large farms and for custom operators.





- Important details have been improved to build lighter, yet stronger rotors:
- Aluminum alloy housings
- Optimized cam track less force on the follower bearing

## ROTARY RAKES GA 6501 / GA 7501+

# **TO MEET YOUR** GROWING NEEDS

Single-rotor rotary rakes reach their limits on farms with large acreages. To increase raking capacity and maintain high-quality hay and forage, the GA 6501 or 7501+ rakes are the answer.

## COMPACT TWIN-ROTOR RAKES

The GA 6501 and 7501+ include all of the main features of a larger, commercial-style rake, while being offered at an economical price. These rakes will enable you to harvest high-quality crop in a very short time. In addition, maneuvering through gates is easy due to a transport width of only 8'2" (2.5 m) on the GA 6501 and 8'4" (2.6 m) on the GA 7501+.





## WIDE RANGE OF ADJUSTABLE WORKING WIDTHS

GA 6501: In many crops, the density makes it necessary to adjust the windrow width. You can quickly adjust the working width and windrow width by using a handle.

GA 7501+: Easily adjust the working width hydraulically from the seat of the tractor, this feature is standard on the GA 7501+. The working width can be adjusted from 22' to 24'3" (6.7 to 7.4 m) and the windrow width from approximately 3'9" to 6'5" (1.15 to 2.0 m). Shown at top left

Tine height adjustment, by a simple crank handle on each rotor, engages the tines in the stubble to get clean movement of crop to the windrow without digging in the soil. Shown at left

## NO LIMITS FOR HIGH-QUALITY RAKING

High-quality raking is only possible if the rotors are able to follow undulating terrain smoothly and closely without damaging the crop stubble. The GA 6501 and 7501+ feature 3D rotor articulation for excellent field adaptation. Six wheels per rotor are also available as an option on the GA 7501+ for increased stability.



**OPTIMUM MOBILITY IN EVERY DIRECTION** 

The rotor arm and rotor are linked by a double link rod enabling 3D articulation. Rotors follow ground contours perfectly to help you harvest a clean crop.



AT HOME ON DIFFICULT TERRAIN

A tandem axle for rotor guidance is ideal for raking difficult terrain (deep pivot tracks, uneven ground after grazing, etc.) and where higher raking speeds are desired.

GA 7501+ only

## ROTARY RAKES GA 8131 / GA 8731+ / GA 9531+

## FOR INTENSIVE USE IN HAY OR STRAW

The semi-mounted GA 8131, 8731+, and 9531+ stand out over competitive models in their ground adaptation, durability and reliability. Working widths from 23'4" - 30'6" (7.1 – 9.3 m) keep output high and the undercarriages keep the rotors parallel on rough ground. With the Masterdrive<sup>®</sup> GIII rotor drive, these rotary rakes are designed for operating in difficult conditions, especially when harvesting hay for haylage.



FEATURING THE MASTERDRIVE® GIII

The rotors on most KUHN rotary rakes are equipped with the Masterdrive GIII. The double-reduction gearbox enables another level in durability and raking quality.





## SUPERIOR GROUND ADAPTATION

Four wheels on each rotor, positioned close to the tines and 3D suspension allow superior ground adaptation of the rotors on the GA 8131 and 8731+ for better raking. The four wheels also provide more stable operation in rough fields. The GA 9531+ has six wheels, including tandem axles for improved performance in the field with larger rotors.

### LOW TRANSPORT HEIGHT

A practical plus of the GA 8131 and 8731+: The transport height stays at approximately 13' (3.99 m) for the GA 8731+ and 13'1" (4 m) for the GA 8131, without having to remove any tine arms. Transport height of the GA 9531+ is 12'4" (3.8 m) with the tine arms removed or 14'3" (4.4 m) with the tine arms left attached to the rotor.



## WINDROWS ARE SAFE

With the optional independent rotor lift, rotors can be lifted individually, meaning if necessary, a clearance of more than 29" (74 cm) is possible. You will no longer have to worry about disturbing windrows when you pass over them.

## ROTORS DON'T MOVE DURING TRANSPORT

Rotors are locked hydraulically and mechanically in their transport position. This considerably increases the machine's stability and safety during transport on rough roads.

## ROTARY RAKES GA 8131 / GA 8731+ / GA 9531+

# **DURABILITY** MEETS COMFORT

You will appreciate the ease of operation of the GA 8131, GA 8731+ and GA 9531+ rotary rakes.

- Maintenance of gearbox reduced to a bare minimum
- Increased stability during transport, in turns and on slopes
- Easy adjustments of windrow width and working height



## EXCLUSIVE STABIDRIVETM ULTIMATE STABILITY IN TURNS

It's the small details that make a big difference for safe travel on the road: The pin coupling the tractor's lower links and the rake is not vertical, but rather inclined slightly forward. This results in the center of gravity being kept more in the center of the rake when turning and significantly increases stability, especially in hilly conditions. The pin angle increases pressure on the inner lower link as well as the inner wheel of the rake's undercarriage when turning.





## SIX WHEELS PER ROTOR

On the GA 9531+, six wheels per rotor are standard. An additional tandem axle is also available on the GA 8131 and 8731+ to bring the standard wheels per rotor from four to six wheels. The GA 8731+ and 9531+ both come standard with pivoting front rotor wheels.

## SIMPLE HEIGHT ADJUSTMENT

All you need is a hand crank to manually change the rotor height. A standard gauge on the machine makes accurate adjustment easy. Hydraulic height adjustment is an additional option when the KGA 01S control box is added to the GA 8131. Hydraulic height adjustment is optional on the 8731+ and 9531+, requiring an additional third DA spool valve and controls through the KGA 04C control box.

## SIDE-DELIVERY VS. CENTER-DELIVERY?

## SIDE-DELIVERY:

## MANAGING DIFFERENT CROP DENSITIES

Heavy first cut or light fourth cut: You can control the volume of crop in the windrow. Rake individual swaths or combine the crop from two passes to form one windrow. Or simply adjust the working width to produce the best windrow size possible, tailoring the windrow to optimize baling or harvesting equipment output.

## **ONE OR TWO WINDROWS**

With all side-delivery models, either one or two separate windrows can be formed. You will appreciate this versatility when wanting to turn two windrows simultaneously or produce night windrows quickly to reduce dew on the crop.

## CENTER-DELIVERY:

## SIMPLE TO OPERATE

Center-delivery rakes not only stand out for their fluffy and consistent windrow formation, but simplicity to operate. With the windrow and working width easily adjustable, depending on the field conditions and crop density, these rakes add greater control to skilled operators and confidence to beginning operators.

## **INCREASED MANEUVERABILITY**

The shorter working and transport length allows for safer road transport between fields and easier navigating through narrow field entrances. You will also be pleased with the overall maneuverability in smaller fields and tight corners, thanks to the reduced wheelbase of the machine.



## TRAILED VS. SEMI-MOUNTED?

There are trailed models and semimounted models available. Both have their benefits. Understanding which model is right for you can help maximize your productivity.

## TRAILED

- Attachment is quick and easy: drop a pin and go
- Flexible raking widths for perfect raking in narrow areas
- Rear rotor position is set from the tractor cab for selection of work or transport position, delivery of one or two windrows and raking width
- Economical cost to working width ratio
- Equipped with Masterdrive<sup>®</sup> GIII rotor drive (except GA 6002)
- High clearance for passing over windrows

## SEMI-MOUNTED

- Excellent tracking and stability on uneven ground
- Great maneuverability: follows the tractor precisely thanks to rear wheel steering for easier movement while backing up
- Equipped with Masterdrive<sup>®</sup> GIII rotor drive (except GA 6501 and GA 7501+)
- Reduced dimensions in transport position without removing the tine arms
- Simple folding to transport position
- Easy adjustments, even for less experienced operators

## **ROTARY RAKES GA 6002**

# **EASY TO USE AND MANEUVER**

If you are looking to increase your crop raking performance while utilizing a low or medium horsepower tractor, the GA 6002 is the ideal machine for you.

## **FLEXIBLE WORKING WIDTHS FOR** VARYING CROP AMOUNTS AND DENSITIES

The raking width is hydraulically adjustable from 11'6" to 19' (3.5 to 5.8 m). Varying crop densities, going around obstacles, or finishing a field, is no longer a problem. In very dense crop conditions or for making night windrows to reduce dew on the crop, the GA 6002 can be set to form two windrows on each pass.





### **TURNING ANGLE OF OVER 90°**

The GA 6002 cleanly collects crop on turns and even on headlands without the need to compensate for the position of the rear rotor – a major benefit for comfort and ease of use.



### EASY AND SECURE TRANSPORT

During transport, an automatic locking system secures the rear rotor in the inline transport position. When the rake is lowered in the field, the lock automatically disengages. There is no need to remove the tine arms for transport.



### WINDROW CURTAIN **EXTENDS AUTOMATICALLY**

A simple tie rod system automatically extends the windrow curtain to a predetermined setting when the rake is changed from the transport to field position. The predetermined setting is easily adjusted with a simple crank. A rear rotor windrow curtain is standard.



### HYDRAULICALLY LIFTED UNDERCARRIAGE

Hydraulic cylinders, mounted within each undercarriage and at the front hitch, provide exceptionally high ground clearance. Simple crank stops are used to adjust tine operating height and accommodate different tractor drawbar heights.



## **IMPROVED STABILITY ON HILLSIDES**

Stabilizing undercarriages are available as optional equipment for use on steep hillside applications. They spread the machine's ground contact over a larger surface area.



## STANDARD TANDEM BOGIE AXLE

Rotors come standard with tandem axles mounted close to the rake tines. This allows the rake to closely follow ground contours and effectively distribute the machine weight, providing a stable stance.

## **ROTARY RAKES GA 6632 / GA 7932 / GA 9032**

# **SIZED FOR A WIDE RANGE OF FARMS AND TRACTORS**

Are you looking for a versatile rake with optimum performance that can be operated using low horsepower tractors and still manage difficult crop conditions with ease? That's a lot of needs to meet, but fortunately the KUHN GA 6632, 7932 and 9032 side-delivery rakes satisfy all these needs, while giving you plenty of rotor diameter choices. These trailed rakes allow a flexible working width by adjusting the rear rotor position. Other key features include: Masterdrive<sup>®</sup> GIII, plenty of windrowing options and exceptional ground contour following!



## **EVEN MORE INTENSIVE USE**

The Masterdrive GIII gearbox is designed specifically for working in heavy or dense crops. Its durability and service life are unrivalled.



## **ONE OR TWO WINDROWS**

In addition to the side delivery of one windrow, these trailed machines can be set to form two separate windrows. This is particularly useful in carrying out tasks to speed up the drying process such as turning windrows and forming narrow windrows in heavy crop conditions



# **IMPORTANT CONTROLS** FOR MORE COMFORT





A hydraulic cylinder allows windrow width to be easily adjusted from the cab. This system also folds the curtain assembly for transport position, eliminating cumbersome manual work. A second, manually controlled front curtain for forming two windrows is optional on all three models.

A parallelogram-type drawbar hitch allows a high implement lift height with a solid secure connection to the tractor with the front part of the drawbar staying horizontal. A drawbar mounted jack stand is included for easy attachment to the tractor.



## HYDRAULIC WINDROW WIDTH ADJUSTMENT

## SUPERB WINDROW CLEARANCE

A clearance of 20" (51 cm) for the GA 6632 and 24" (61 cm) for the GA 7932 and GA 9032, between the ground and the bottom of the tine when in headland position, allows you to cross newly formed windrows without disruption.

## PARALLELOGRAM-TYPE DRAWBAR HITCH

## **ROTARY RAKES GA 6632 / GA 7932 / GA 9032**

## **CLEANER CROP THANKS TO** EXCELLENT GROUND ADAPTATION

These three rotary rakes provide important features to ensure clean raking without contaminating the crop. They also preserve the stubble and maintain high output, even on rough terrain.



## **INDEPENDENT ROTORS**

The pivot points located on the chassis (1) allow both rotors to follow ground contours independently. The rear rotor additionally has standard 3D suspension for even less crop contamination.

## HYPERBALLOON WHEELS

The large-diameter hyperballoon wheels (2) located close to the sweep of the tines on both rotors provide excellent crop pickup with minimal soil contact.



**OPTIONAL PROP WHEEL** 

An optional prop wheel can be fitted to the front rotor to provide smoother operation in very rough conditions.



## DESIGNED FOR STABILITY UNDER VARYING CONDITIONS

Resting firmly on extra large undercarriages and fitted with up to six wheels per rotor, all three models can easily perform in varying field and crop conditions.

## TANDEM AXLES

Tandem axles are standard on both rotors on all models. They run especially smooth on rough roads, but also over uneven grassland (for example due to damage caused by wildlife or after use as pasture).

## **ADDITIONAL SUPPORT**

The rear rotors of GA 7932 and 9032 are equipped with two additional wheels. A dampener axle is an option on the front rotor of the GA 7932.



## **ROTARY RAKES GA 9032**

# THE STANDARD IN THE LARGE SIDE-DELIVERY RAKE MARKET

The GA 9032 is the largest rotary rake with side delivery on the market – a true landmark with up to 28'10" (8.8 m) working width in the two-windrow position. The price to working width ratio is unbeatable!



## WIDE DURING WORK, NARROW FOR TRANSPORT AND STORAGE

These rakes can be easily changed from work to transport position from the tractor cab. The width is reduced to 9'10" (3.0 m) for GA 6632, 11'6" (3.5 m) for GA 7932 and 13'5" (4.1 m) for GA 9032. In addition, these three models feature removable tine arms to further reduce transport width by 3' or more. Removing the arms improves safety for long transport distances, and in difficult to access locations or storage areas.

## ROTARY RAKES GA 6930 / GA 7530 / GA 8030 / GA 8830

# **EXCLUSIVE** RAKING **INNOVATIONS**

Designed for intensive use and simple operation, the semi-mounted GA 6930, GA 7530, GA 8030 and GA 8830 include innovative features that help make quality hay or silage efficiently.

- StabiLift<sup>TM</sup>: exclusive design lifts the rotors and locks them in a slightly inclined position for time savings, high ground clearance and hydraulic locking during transport
- StabiDrive<sup>TM</sup>: increases machine stability during road transport, especially in tight turns and when maneuvering on steep hillsides
- Masterdrive® GIII gearbox: long-term, reliable rotor drive even in tough conditions
- Ability to deliver one or two windrows (standard on GA 7530, 8030, and 8830, optional on GA 6930)



## EXCLUSIVE



Both 3D suspension rotors are equipped with an integrated hydraulic cylinder, which locks the rotor movements automatically as soon as a rotor is lifted from the ground.

Main advantages:

- Lower center of gravity of the machine for more stability
- Higher ground clearance for windrow protection
- Less time needed to lift the rotor

### PASSING OVER WINDROWS WITHOUT DAMAGE

In one-windrow position, the GA 8030 has a clearance of 20" (50 cm). When in two-windrow position, the GA 8030 has a remarkable clearance of 18" (45 cm) making it easy to cross over previously raked windrows.

## 3D GROUND ADAPTATION OF THE ROTORS

The 3D articulation of the rotors provides exceptional adaptation of the machine to the terrain. Up and down movements show an impressive range from +10" to -12" (+25 cm to -18 cm).







**INVEST IN QUALITY®** 



## **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 agriculture 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.

## **ROTARY RAKES CONTROL BOXES**

# CUSTOMIZED CONTROL

KUHN offers a variety of standard and optional control box upgrades to tailor rake functions to meet your needs. From basic manual adjustments to in-cab hydraulic control of nearly every setting, there is a rake and control box configuration to match your preferences.



## KGA 01T CONTROL BOX FOR SIDE DELIVERY - TRAILED

KGA 01T standard controller for selection of one or two windrows and hydraulic swath curtain adjustments.

Available on the GA 6632, 7932, and 9032.



## KGA 02L CONTROL BOX FOR SIDE DELIVERY – SEMI-MOUNTED

The KGA 02L control box allows for setting of the work/transport position, selection of one or two windrows and windrow width adjustment.

Available on the GA 8030.



## KGA 04L CONTROL BOX FOR SIDE DELIVERY – SEMI-MOUNTED

The KGA 04L control box allows for setting of the work/transport position, windrow width adjustment, individual rotor lift, and individual hydraulic rotor height adjustment.

Available on the GA 8830.



## KGA 04C CONTROL BOX FOR CENTER DELIVERY – SEMI-MOUNTED

KGA 04C control box provides control of all functions such as work/transport position, windrow width adjustment and individual rotor lift (when option is installed).

Available on the GA 8731+ and GA 9531+.

Additional control box options are available. Contact your local KUHN dealer to learn more!







Manage Your Machines: Search for your machines by serial number to gain access to operator's manuals and parts e-catalogs. Send your Parts Inquiries to KUHN dealers to let them know you are in need of a part.



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Technical Specifications Center-Delivery Models							
	GA 6501	GA 7501+	GA 8131	GA 8731+	GA 9531+		
Working width - includes windrow	18'6" - 21' (5.7 - 6.4 m)	22' - 24'3" (6.7 - 7.4 m)	23'4" - 26'3" (7.1 - 8.0 m)	25'3" - 28'2" (7.7 - 8.6 m)	27'6" - 30'6" (8.4 - 9.3 m)		
Swath type - working width including windrow	Center delivery (1 windrow)						
Clean swept width	17'1" - 20'4" (5.2 - 6.2 m)	22' - 23'9" (6.7 - 7.2 m)	19'6'' (5.9 m)	21'4'' (6.5 m)	23'6'' (7.2 m)		
Windrow width	4'1" - 6'6" (1.3 - 2.0 m)	3'9"- 6'5" (1.2 - 2.0 m)	4'3" - 7'3" (1.3 - 2.2 m)	4'6" - 7'5" (1.4 - 2.3 m)	4'6" - 7'5" (1.4 - 2.3 m)		
Transport width	8'2'' (2.5 m)	8'4'' (2.6 m)	9'2" (2.8 m)	9'9" (2.99 m)			
Length	16'11" (5.15 m)	16'11" (5.15 m) 18' (5.5 m) 19'4" (5.9 m)			21'6" (6.57 m)		
Transport height	11'8" - 13'1" (3.5 - 4.0 m) depending on working width	11' - 13'1" (3.4 - 4.0 m) with tine arms removed and depending on working width	13'1" (4.0 m) or 11'2" (3.4 m) with tine arms removed	13' (3.99 m) tine arms not removable	14'3" (4.40 m) or 12'4" (3.82 m) with tine arms removed		
Double curved tangential mounted tine arms	Standard						
Foldable safety guards	Standard						
Number of rotors	2						
Vertical hydraulic folding rotors	Standard						
Rotor diameter	2 x 8'7'' (2.6 m)	2 x 10'8" (3.3 m)	11'1" (3.4 m)	12' (3.7 m)	13'1" (4.0 m)		
Number of tines per tine arm	3 4						
Number of tine arms	10 x 2	11 x 2	12	13	15		
Center swath curtain	-		Option	al			
Fully enclosed gearbox	Sta	ndard		Masterdrive GIII			
Removable tine arms	- Star		ndard	Fixed	Standard		
Working height adjustment	Cr	ank	Ву с	By crank handle (hydraulic as option)			
Rotor flotation	3-D terrain following						
Spare rotor wheel	-		Optional	Standard			
Transport tires	195/65 R15	10.0/75 - 15.3	11.5 x 80-15.3 15/55-17		5-17		
Rear wheel steering	Optional		Standard				
Tires on each rotor	3-16 x 6.50-8	4-16 x 6.50-8	4-16 x 6.50-8	4-16 x 6.50-8	6-16 x 6.50-8		
PTO speed	540 rpm						
Overrunning clutch on PTO	Standard						
Hitch	2-point, Cat. 2		2-point, Cat. 2 and 3N	2-point - Cat. 2 and 3N pivoting links			
Minimum PTO power requirement	40 hp (30 kW)	50 hp (37 kW)	60 hp (45 kW)	68 hp (50 kW)	50 kW) 75 hp (55 kW)		
Required tractor hydraulic connections	1 DA	1 DA + 1 SA		1 DA +1 SA (+ 1 DA if hydraulic raking height adjustment)			
Control box	-	Optional KGA 01S		Standard KGA 04C			
Road lights and signaling			Standard				
Machine net weight approx.	2,778 lbs (1,260 kg)	3,505 lbs (1,590 kg)	4,244 lbs (1,925 kg)	4,960 lbs (2,250 kg)	5,290 lbs (2,400 kg)		
Check chain	Standard						



<b>Technical Specific</b>	ations						Side-Del	ivery Models
	GA 6930	GA 7530	GA 8030	GA 8830	GA 6002	GA 6632	GA 7932	GA 9032
Working width - includes windrow	1 swath 20'8" (6.3 m) 2 swaths 22'4" (6.8 m) - requires optional equipment	1 swath 22'7" (6.9 m) 2 swaths 24'3" (7.4 m)	1 swath 23'11" (7.3 m) 2 swath 27'3" (8.3 m)	1 swath 25'6" (7.80 m) 2 swaths 28'10" (8.80 m)	1 swath 11'6" - 19' (3.5 - 5.8 m) 2 swaths 17'9" (5.4 m)	1 swath 11'8" - 21'2" (3.6 - 6.5 m) 2 swaths 21'4" (6.5 m)	1 swath 13'3" - 24'5" (4.1 - 7.5 m) 2 swaths 25'1" (7.7 m)	1 swath 15'3" - 28'3" (4.7 - 8.6 m) 2 swaths 28'10" (8.8 m)
Clean swept width	16'2" (4.9 m)	18'4" (5.6 m)	19'6" (5.9 m)	20'8" (6.3 m)	7' - 14'9" (2.1 - 4.5 m)	8' - 15'7" (2.4 - 4.8 m)	9'6" - 18'5" (2.9 - 5.6 m)	10'6" - 21' (3.2 - 6.4 m)
Windrow width	1'11" - 5'7" (0.6 - 1.7 m)			2'7" - 4'7" (0.8 - 1.4 m)	3'11" - 5'11" (1.2 - 1.8 m)			
Transport width	9'2" (2.8 m)		9'10" (3.0 m)	9'7" (2.99 m)	9'8" (2.9 m)	6'9" (2.1 m) tine arms removed 9'10" (3.0 m) tine arms assembled	8'2" (2.5 m) tine arms removed 11'6" (3.5 m) tine arms assembled	9'10" (3.0 m) tine arms removed 13'5" (4.1 m) tine arms assembled
Length	28'3" (8.6 m)	28'3" (8.6 m)	29'9" (9.1 m)	30'6" (9.33 m)	24' (7.3 m)	28'6" (8.7 m)	32'2" (9.8 m)	37'4" (11.4 m)
Transport height	11'3" (3.5 m) tine arms removed 12'8" (3.9 m) tine arms attached	11'8" (3.6 m) tine arms removed 13'1" (4.0 m) tine arms attached	12'8" (3.9 m)	13' (3.99 m)		i		
Lift height under tines		18" (46 cm)			17" (43 cm)	20" (51 cm)	24" (6	61 cm)
Windrow delivery	To righ		ht		To left		To right	
Single or double windrow	Optional				Standard			
Adjustable swath curtain		Optional on front and	standard on rear			Standard on fr	ont and on rear	
Number of rotors			1	2	1		1	1
Rotor diameter	9'5" (2.9 m)	10'6" (3.2 m)	11'1" (3.4 m)	12' (3.65 m)	2 x 8'8'' (2.6 m)	2 x 9'6'' (2.9 m)	2 x 11'2'' (3.4 m)	2 x 13'1" (4.0)
Number of tine arms per rotor	1	1	12	13	10	11	12	15
Number of tines per tine arm		4			3		4	
Fully enclosed gearbox		Masterdriv	ve GIII		Standard		Masterdrive GIII	
Number of wheels per front rotor				4				
Number of wheels per rear rotor			4			6		
Removable tine arms	Stan	Standard			Fixed	Standard		
Wheels		16 x 6.	5-8	0 1 4 1	P P X	18 x 8	3.50-8"	
Working height adjustment		Crank (hydraulic option)						
		3-D terrain						
Sequential reter lift		11.5/80-15.3	ard	380/55-17	18 x 8.50-8"			
		Janua		540 rr	<u></u>		-	
PTO shaft	540 rpm							
Overrunning clutch on PTO	Standard Ontional Standard							
Setting into transport position		Otunid		Hydraulically	controlled			
Hitch	2 point Cat 2 and 3N				Drawbar			
Minimum PTO power requirement	54 hp (40 kW)	60 hp (45 kW)	68 hp (50 kW)	70 hp (50 kW)	40 hp (	30 kW)	55 hp (40 kW)	80 hp (59 kW)
Required tractor hydraulic connections	1 SA		1 ( )		1 SA + 1 DA			
Required tractor electrical connections	1 - 7-pin road lights		1 - 7-pin road lights, 1 - 3-pin power 1 -		1 - 7-pin signal	n signal 1 - 7-pin signal, 1 - 3-pin power		
Control box	Optional KGA 03L		KGA 02L KGA 04L		-	- Standard KGA 01T		
Road lights and signaling				Standa	Standard			
Machine net weight approx.	4,630 lbs (2,100 kg)	4,784 lbs (2,170 kg)	5,510 lbs (2,500 kg)	5,820 lbs (2,640 kg)	2,778 lbs (1,260 kg)	3,108 lbs (1,410 kg)	3,571 lbs (1,620 kg)	4,080 lbs (1,850 kg)
Safety chain		-				Star	ndard	
Check chain	Standard			-				



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