

# RC 200 SERIES

## Reel Commercial

TMR Mixers - with Optional Helix Reel



500 – 950 Cubic Feet

**NEW**



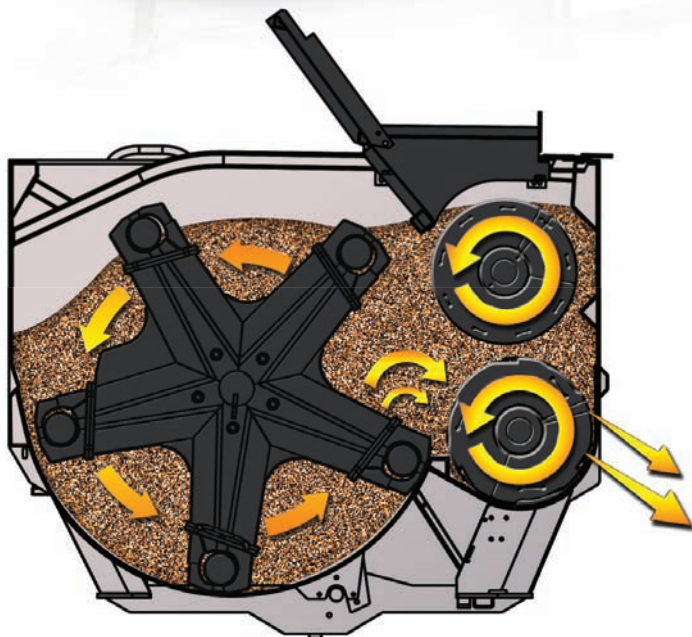
REVOLUTIONARY  
**HELIX**  
REEL

WORLD-WIDE LEADER IN TMR MIXERS



## RC 200 SERIES

Fully-redesigned RC 200 Series Commercial Reel mixers provide superior durability and performance, with new advanced options that separate them from the competition. The all-new, open-concept Helix reel option offers faster, more consistent mixing and improved load leveling with any ration. The Helix Reel design optimizes the mixing of wet by-product rations, but through extensive testing has proven to provide quality performance in all rations. The Heavy-Duty Drive option offers extended life, in even the most extreme use cycles, and provides the ability to mix the heaviest feedstuffs. These enhancements, combined with the versatility and low horsepower requirement that are the hallmark of the reel and auger design, put these new RC models at the head of their class! With truck, trailer and stationary models there's a machine to fit every feeding situation.



### Low Fuel Consumption!

The gentle tumbling action of the reel works with the two side blending augers for fast, thorough end-to-end and side-to-side mixing. The design minimizes force and pressure, resulting in low horsepower requirements and, correspondingly, less fuel consumption for economical operation.

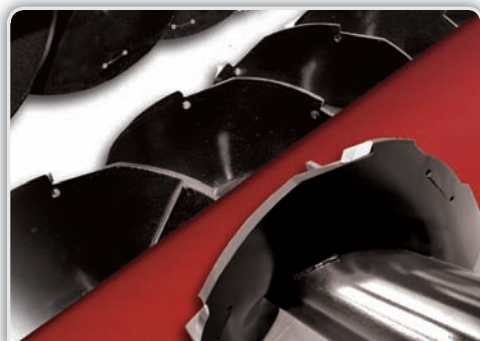
# RC 200 SERIES

High-Quality Features



## Rugged and Durable

An optional heavy-duty drive provides heavier chains throughout and a larger diameter countershaft and bearings for added strength and extended life in the toughest mixing conditions and heaviest use cycles.



## Flexible for Roughage and Grains

The grain-auger option provides gentle handling of more delicate feeds like flaked corn to maintain ration quality. The roughage-auger option features notched, sectional flighting with welded-in, self-sharpening, hardened knives for better hay-handling capability.



## Improved Discharge

The discharge door and linkage have been reinforced to provide reliable service and long life. The slide tray linkage has also been improved, with increased adjustability to adapt to different feeding situations.



## Secure, but Accessible

The improved, single handled latch provides easy access to the oil bath and secure closure to protect the drive system. An improved lip seal keeps oil in and dirt and debris out to help minimize wear on drive components.



### The Helix Design

The optional Helix Reel has a robust build and has been thoroughly tested to withstand the most challenging conditions. The helical design of the reel crossbars evens the pressure across the length of the reel for smoother, more consistent operation. It also engages with the feed more smoothly.

### Open Center Reel

The all-new, open-center design eliminates obstructions in the reel and provides superior feed movement and unparalleled mixing action. The benefits are unmistakable, with faster, more consistent mixing, improved load leveling, optimized mixer space utilization and fewer dead spots for the ultimate in ration quality.

### Superior Mixing of Wet By-Product Rations

A mix bar runs diagonally across the center of the reel to help ensure consistent feed movement throughout the entire mixing chamber. The reel crossbars keep feed moving efficiently around the outside of the chamber. The secondary mechanical mixing action from the mix bar provides a fast and thorough mix even in wet, heavy rations with large amounts of distillers grains.

### Improved Load Leveling

With all potential obstacles removed from the center of the reel, feed is free to flow unobstructed from one end of the mixing chamber to the other. This greatly improves the end-to-end mixing action and helps eliminate uneven filling for optimum load leveling in any ration. Even leveling allows consistent use of the full capacity of the machine for maximum efficiency.

### Faster, More Even Unloading and Cleanout

Cleanout speed is a key factor that can limit feeding efficiency, extending feeding cycles and ultimately costing valuable time and money. The new open-center Helix design provides fast, consistent unloading, with quicker, more complete cleanout than competitive models. The result is optimum performance, allowing the operator to move on to the next batch faster.

### Enhanced Performance for Grain and Roughage Rations

The cutting-edge design has been extensively tested with the toughest beef and dairy rations. The results are clear, from dry, dusty materials, to wet, heavy rations, the new RC 200 series mixers with Helix Reel technology set a new standard for quality performance and superior mixing to meet the needs of even the most demanding producers.



## EFFECTIVE HAY HANDLING!



### Roughage Maxx

With the Roughage Maxx System, scalloped knives are added to the lower auger to maximize hay processing. The knives provide a more consistent particle length and more even blending of the ration. The result is a more uniform and palatable ration with reduced sorting for overall better feed efficiency.



### Hay Maxx

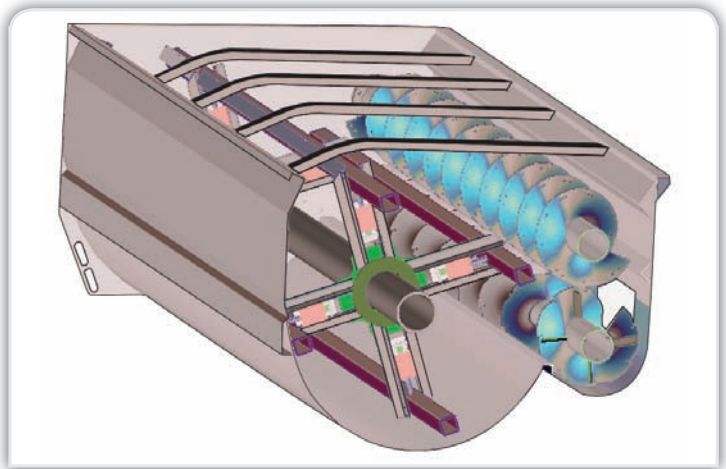
The Hay Maxx System provides enhanced processing of a wide variety of materials. Hay and other bulky materials can be placed on the pan, allowing them to be preprocessed by the upper auger before entering the mixing chamber.

## STANDARD REEL OPTION



### Large-Diameter Reel

The large-diameter reel gently lifts material up into the side blending augers. The large reel provides ample room for feed movement and quality mixing action. It ensures fast mixing and unloading, which saves time and helps ensure ration quality.



### Four- or Five-Arm Reel

The four-arm reel minimizes the pressure placed on higher-roughage feed and the extra space within the reel enhances hay processing and reduces mixing time. The five-arm reel ensures faster mixing and unloading in heavier grain rations and provides more even load distribution on the reel arms.

# RC 200 SERIES

Customize an RC to fit your operation

## CUSTOMIZED OPTIONS



### Standard or Lowered Right Side

The option of a standard or lowered right side allows customers the flexibility to choose the setup that best matches the needs of their operation.



### Rugged Undercarriage Options

Straight-single and walking-tandem bogie axle options are available for trailer models, providing flexibility for varied terrain. Both feature heavy-duty spindles and hubs for maximum durability and long life.



### Truck Tire Option

The truck tire option includes wheels and tires or wheels only. These tires provide outstanding reliability and performance at an economical price. (Aircraft tires no longer available.)



### Discharge Options

Truck models come with a standard slide tray for fast, consistent discharge. Trailer models offer the slide tray plus a 4-auger discharge option with adjustable height for feeding into higher bunks.

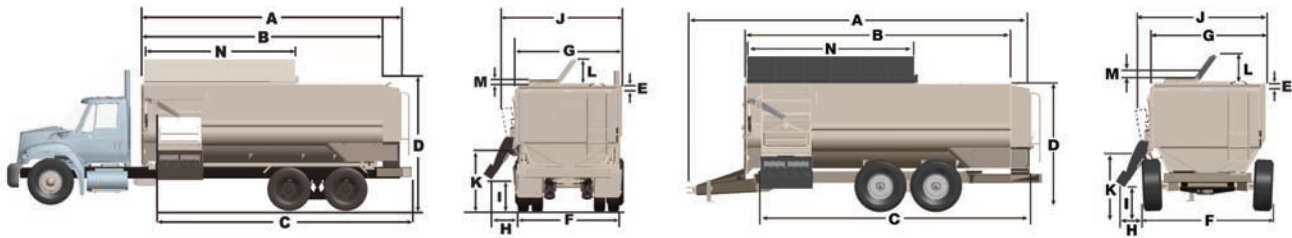


### Improved Slide Tray Linkage

The cylinder and linkage for the slide tray option have been relocated and improved. This change provides increased adjustability and eliminates the possibility of the tray extending over center when opened.

# MODEL SPECIFICATIONS

Visit your dealer or our website at [www.KuhnNorthAmerica.com](http://www.KuhnNorthAmerica.com) for information on all Kuhn Knight products.



## TRAILER-TR TRUCK-TK

MODEL	RC 250		RC 260		RC 270		RC 295	
	TR	TK	TR	TK	TR	TK	TR	TK
<b>DIMENSIONS (INCHES)</b>								
A - Overall Length	242	189	272	219	302	249	294	247
B - Mixing Chamber Length	168	168	198	198	228	228	216	216
C - Front Discharge to Bumper	182	180	212	210	242	240	231	232
D - Overall Height <sup>1,2</sup>	107	120	107	120	107	120	126	135
E - Lowered Right Side Reduction	12	12	12	12	12	12	NA	NA
F - Tread Width <sup>2</sup>	101	96	101	96	101	96	110	96
G - Overall Width (mixer only)	102	102	102	102	102	102	120	120
H - Slide Tray - max. reach	22	22	22	22	22	22	30	30
I - 4-Auger Discharge - max. reach 2' / 3'	32/42	NA	32/42	NA	32/42	NA	NA	NA
J - Slide Tray - max. height	35	48	35	48	35	48	50	59
K - 4-Auger Discharge - max. height 2' / 3'	50/56	NA	50/56	NA	50/56	NA	NA	NA
L - Slide Tray - transport width	114	114	114	114	114	114	128	128
M - 4-Auger Discharge - transport width - 2' / 3'	126/130	NA	126/130	NA	126/130	NA	NA	NA
N - Hinge Height for Discharge	47	56	47	56	47	56	56	65
O - Height - haypan up	22	22	22	22	22	22	22	22
P - Height - haypan down	8	8	8	8	8	8	8	8
Q - Length - haypan	120	120	144	144	144	144	144	144

### SPECIFICATIONS

Unit Weight <sup>3</sup> - Helix Reel (TR/TK) pounds	16,000/14,950		17,200/16,090		21,000/18,820		25,300/20,250	
Unit Weight <sup>3</sup> - Std. Reel (TR/TK) pounds	14,800/13,750		16,000/14,830		19,800/17,620		24,450/19,400	
Maximum Net Load - pounds	15,000		18,000		21,000		28,500	
Mixing Capacity - cubic foot	500		600		700		950	
Reel								
- Diameter	70"							84"
- Drive Shaft Diameter	5"							8" Tube
- Arms	Standard Reel - Roughage:4, Grain:5 / Helix Reel:5							5 (all)
- Hopper Thickness	3/8"							3/8"
- Speed RPM	5.6 - 6.8							4.6 - 5.2
Lower Auger								
- Flighting Diameter	24"							28"
- Flighting Thickness <sup>4</sup> - sectional	5/8"							5/8"
- Drive Shaft Diameter	3 1/2"							5"
- Tube - outside diameter	6 5/8"				8 5/8"		8 5/8"	
Upper Auger								
- Flighting Diameter	22"							28"
- Tube - outside diameter	6 5/8"				8 5/8"		8 5/8"	
- Flighting Thickness - sectional	1/2"							1/2"
- Drive Shaft Diameter	3 1/2"							4"
Auger Hopper Thickness	3/8"							3/8"
Side Sheets Thickness	1/4"							1/4"
End Sheets Thickness	1/4"							1/4"
Standard or Lowered Right Side	Either Option Available							Standard Only
Door Opening Size	42" x 22"							48" x 26"
Roller Chain Drive								
- Standard	80-100-120-140							100-140-160-200
- Optional Heavy-Duty	100-120-140-140							HD Standard
Spindle Diameter - single axle / tandem axle	4 1/2" / NA		4 1/2" / 3 3/8"				NA / 4 1/2"	
Hub	HD 10-bolt							HD 10-bolt
Tongue Weight - % gross weight	9%		11%		10%		11.5%	
Tractor Requirement - PTO HP <sup>5</sup>	100		110		120		170	

<sup>1</sup> Truck dimensions based on 41" truck frame height.

<sup>2</sup> Heights and widths will vary depending on tire size.

<sup>3</sup> Unit is equipped with most common options.

<sup>4</sup> 3/8" flighting at convergence is standard.

<sup>5</sup> Horsepower requirement may vary with different materials.

Consult operator's manual for proper tractor sizing.

We reserve the right to change any equipment specifications, design, or materials without notice. These mixers are designed for agricultural use only with materials estimated up to 30 lbs. per cubic foot. Contact factory for non-agricultural use or heavier materials. Equipment shown in this literature may be protected by at least one patent and/or trademark.



Always read and understand the Operator's Manual and all Safety Decals before using the equipment.

YOUR KUHN KNIGHT DEALER

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