Reel Auggie® / Reel Commercial TMR Mixers

3100 / RA 100 SERIES / RC 300 SERIES / RC 3120













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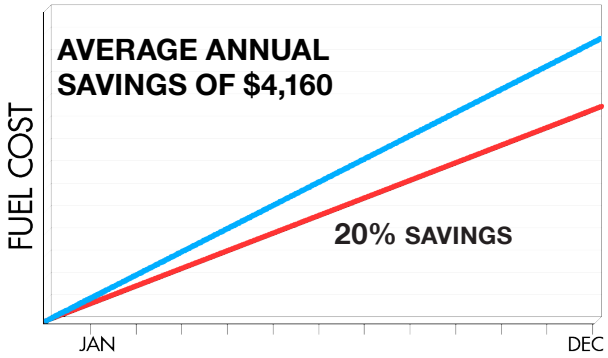
MAXIMIZE EFFICIENCY AND MIXING PERFORMANCE

QUALITY PERFORMANCE WITH THE LOWEST POSSIBLE INPUT COSTS IS THE GOAL OF EVERY OPERATION. THE FAST, GENTLE MIXING OF KUHN KNIGHT REEL MIXERS HELPS MAXIMIZE EFFICIENCY AND MINIMIZE EXPENSE. THE REEL AND AUGER DESIGN ELIMINATES MUCH OF THE FORCE AND PRESSURE SEEN WITH OTHER MIXER TYPES. THE RESULT IS LOW HORSEPOWER REQUIREMENTS AND LESS FUEL CONSUMPTION FOR A MORE ECONOMICAL OPERATION.



ANNUAL SAVINGS

Fuel savings based on lower power requirement and shorter mix time compared to similar sized load in a vertical mixer. Estimated savings based on three hours of use per day using diesel fuel at $4.00 per gallon. Actual savings may vary depending on application.



Models	Mixing Capacity	Reel Type	Available Configurations
3115	150 ft³ (4.2 m³)	Standard	Trailer, Stationary
3120	220 ft³ (6.1 m³)	Standard	Trailer, Truck, Stationary
RA 125	250 ft³ (7.1 m³)	Standard or Helix	Trailer, Truck, Stationary
RA 130	300 ft³ (8.5 m³)	Standard or Helix	Trailer, Truck, Stationary
RA 136	360 ft³ (10.2 m³)	Helix	Trailer, Truck, Stationary
RA 142	420 ft³ (11.9 m³)	Helix	Trailer, Truck, Stationary
RC 350	500 ft³ (14.2 m³)	Helix	Trailer, Truck, Stationary
RC 360	600 ft³ (17 m³)	Helix	Trailer, Truck, Stationary
RC 370	700 ft³ (19.8 m³)	Helix	Trailer, Truck, Stationary
RC 395	950 ft³ (26.9 m³)	Helix	Trailer, Truck, Stationary
RC 3120	1,200 ft³ (34 m³)	Helix	Trailer, Truck

THE REEL ADVANTAGE

Reel mixers are ideal for dairy and beef producers mixing rations with high percentages of processed roughages or distillers grains. The reel thoroughly mixes rations gently without causing excessive damage to feed ingredients, preserving the desired particle length for your herd. The option to have a low standard loading height makes it easy to load with skid steers, adding convenience to your operation.

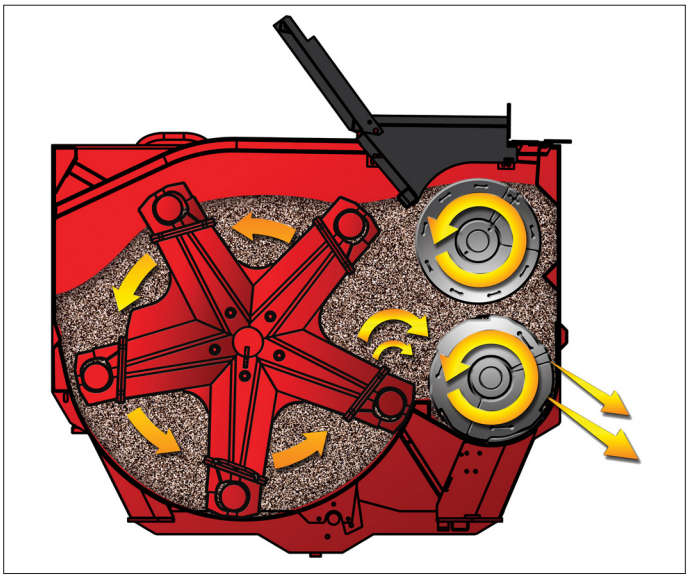
Beyond performance, reel mixers provide the ultimate versatility. Choose from popular multi-purpose trailer models, the fast and convenient transport of truck-mounted machines or stationary units perfect for central mixing. No matter your setup, there's a reel mixer designed to meet the needs of any operation.











SUPERIOR FEED MOVEMENT

- The large reel gently lifts material up into the side augers for excellent side-to-side movement.
- The upper auger moves material rearward, while the lower auger moves material forward for end-to-end mixing. This helps feed continually charge the door during discharge.



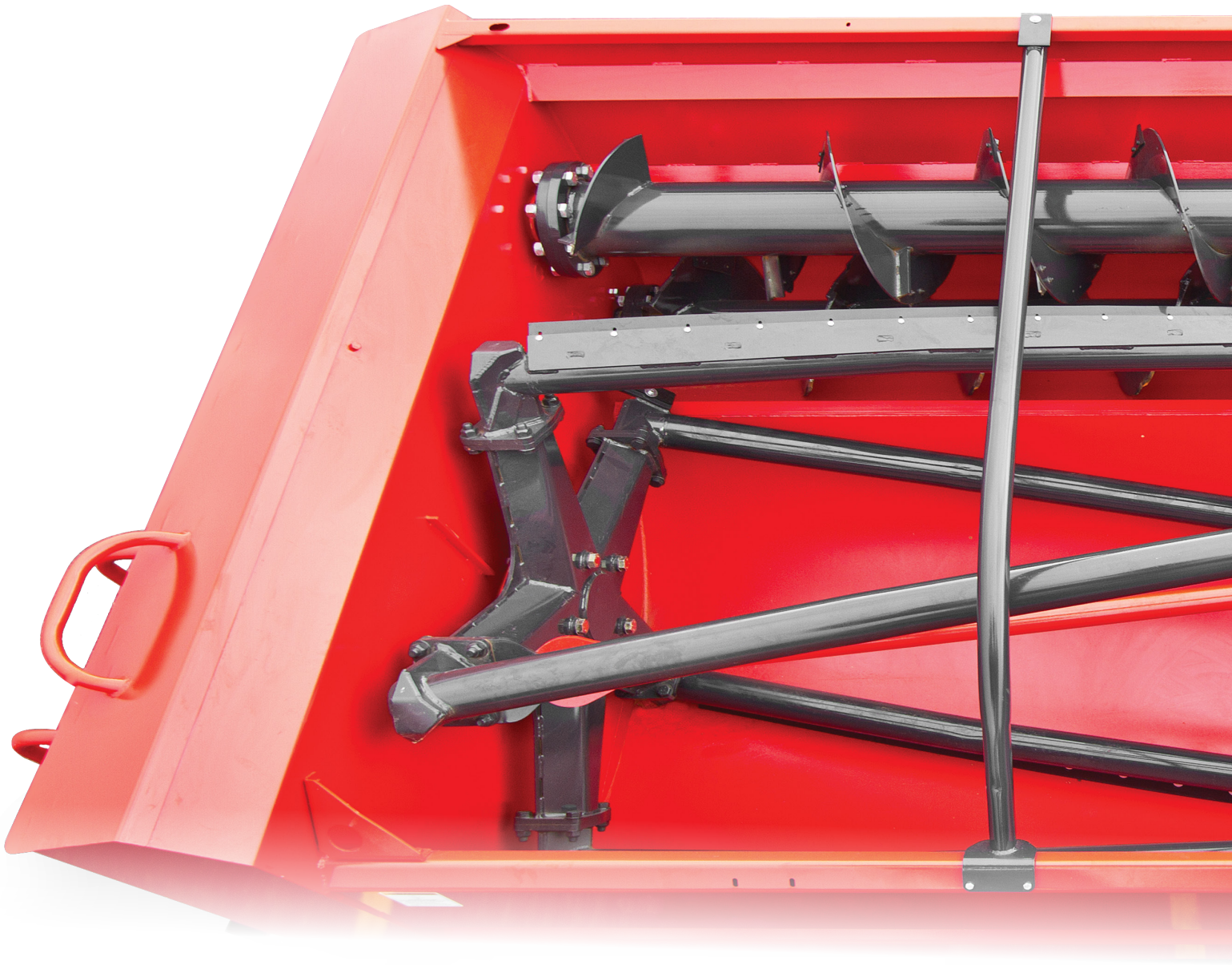
CONSISTENT MIXING AND DISCHARGE

KUHN Knight reel mixers provide a consistent mix, even with small batches, for a balanced ration from beginning to end. Their quick, even discharge with a more complete cleanout helps save time and maximizes efficiency.



SIMPLE FEEDING

With a high discharge point, these mixers allow for the use of a simple slide tray in most feeding situations. The long tray makes it easy to feed deeper into most bunks, while preventing feed loss from the wind. This dependable, low-cost option also results in less maintenance.



THE ENHANCED REEL DESIGN

The Helix® reel has a robust build and has been thoroughly tested to withstand the most challenging conditions. The 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 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 ultimate 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 the reel center unobstructed, feed moves freely for better mixing and more even filling. Dual augers maintain smooth horizontal flow: the bottom auger feeds material forward to keep the discharge door charged, while the top auger moves it rearward to level the load. Together, the reel and augers promote smooth, balanced feed distribution, allowing full and efficient use of the machine's capacity.

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 open-center 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. From dry, dusty materials, to wet, heavy rations, the Reel Auggie® mixers with Helix® reel technology set a standard for quality performance and superior mixing to meet the needs of even the most demanding producers.

REEL TMR MIXERS 3100 SERIES

TIME-TESTED DESIGN

KUHN Knight 3100 Series Reel Auggie® mixers offer the same quality mixing performance and dependable service that has been their hallmark. The time tested, standard reel and auger design provides a fast, thorough mix for a fluffy, palatable ration. Quality components and a rugged design help ensure reliability and long life. These mixers are available in trailer, truck and stationary models with capacities ranging from 150 to 220 cubic ft^3 (4.2 to 6.2 m^3).

Note: The 3115 is not available as a truck-mounted model







STANDARD REEL

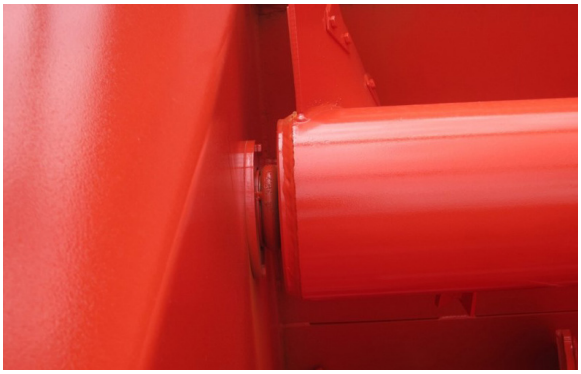
The standard reel is a proven, economical choice that performs well in free flowing rations and offers adjustability to better handle high roughage or long stem hay mixes. By combining inward set reel arms with spring loaded straight bars that flex under heavy forage, the standard reel can outperform competitive paddle designs and, in some hay dominant rations, even the Helix reel. When the reel arms are set in the outer position, poly wipers improve cleanout, making this setup well suited for forage based, free flowing materials.

3115 & 3120 are only available with standard reel

REPUTABLE RELIABILITY – NOW WITH A TWIST

These 250 and 300 ft³ (7.1 and 8.5 m³) machines continue the tradition of outstanding durability and performance, with proven features that stand out from the competition. After many requests from farmers like you, this capacity range of mixers is now available with the standard reel or the patented Helix reel. The Helix reel, with its open-concept design, offers faster, more consistent mixing and improved load leveling with any ration and excels mixing rations with high percentages of byproducts and/or roughages. The RA 125 and RA 130 are available in trailer, truck and stationary configurations.





WELDED AUGER SHAFTS

Auger shafts on both the upper and lower augers are fused to the auger drive flange with a weld, providing a weld joint as strong as the shaft. This results in superior strength and durability over other conventionally welded shafts.



FRONT OIL BATH



The easy-access front oil bath on the RA 125 & RA 130 keeps drive chains lubricated and ensures a long drive life. Improved sealing eliminates oil leaking out the panel and door keeping the machine clean. The roller chain drive is durable enough to handle batches with the heaviest, wettest, stickiest rations. Spring-loaded chain tensioners ensure proper chain tension and alignment. The rugged chain continuously runs through the enclosed oil bath, constant lubrication leads to added protection and longer life.



HELIX REEL

The Helix reel offers greater versatility for modern rations, with an open center design and diagonal mix bar that improve feed movement, load leveling and mixing speed. It excels in wet, heavy or byproduct-rich diets and handles more roughage than paddle-style competitive reels without an open center. The Helix reel is a great choice for the feedlot, backgrounder, dairy producer, or industrial customer looking for that balance of excellent mixing and great cleanout. However, in very hay heavy mixes, some operators still prefer the spring bar action of the standard reel. For most applications, the Helix provides fast, consistent, all around mixing performance with excellent mixer cleanout.

Only available as an option on the RA 125 & RA 130

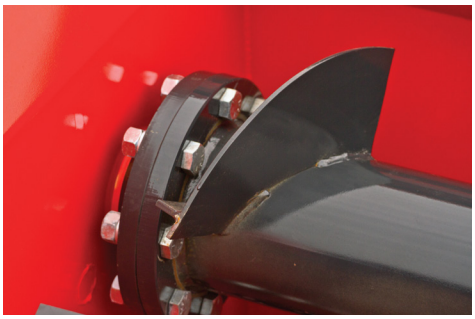
PROVEN RELIABILITY



The KUHN Knight RA 136 and RA 142 Reel Auggie® mixers provide the ultimate versatility, durability and performance. These mixers are ideal for dairy and beef producers mixing rations with high percentages of processed roughages or distillers grains. The Helix® reel, with its open-concept design, offers faster, more consistent mixing and improved load leveling with any ration. Strengthened body and drive components provide superior dependability and long life.

From the popular, multi-purpose trailer models, to the fast, convenient transport offered by truck mounted machines, to stationary models that are ideal for central mixing, there is a mixer to meet the needs of any operation. These machines also offer a low standard loading height for easy loading with skid steers.





BOLTED AUGER FLANGES

Bolted flanges on the upper and lower augers provide strong connections between the auger tubes and drive shafts for superior durability. They also allow for a single-piece front panel that gives added strength and provides a clean look.



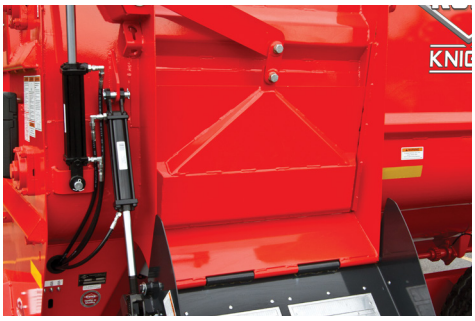
LOWERED DROP SIDE

The lowered right side, with a 15" (38 cm) drop, provides a lower side height to provide easier loading, while the two-position axle setting allows versatility to match your unique needs. The upper setting drops the overall height of the machine by 6" (15.4 cm) for easier loading with skid steers.



DEPENDABLE DRIVE

The roller chains have been sized for increased durability and long service life. The entire heavy-duty chain and sprocket drive run continually in an enclosed oil bath for added protection and longer life. The rear location of the oil bath allows for convenient service.



HEAVY-DUTY DISCHARGE DOOR

The door discharge and pivot are built for long-term durability, with a strengthened structure for extended service life. The linkage uses two ball pivots to ensure smooth, reliable operation.



DURABLE REAR DRIVE SHAFT

A heavy, 1½" (29.2 cm) rear drive shaft provides added strength for dependable service, even in rations heavy in distillers grains.



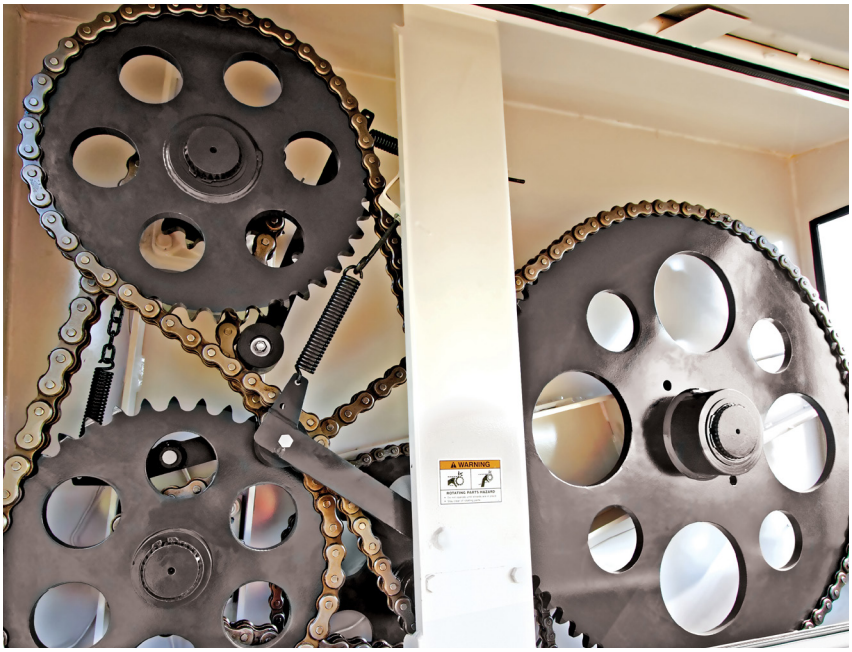
EASY ACCESS DOOR

The single-handled latch provides easy access to the oil bath. An improved seal keeps oil in, and dirt and debris out, to help minimize wear on drive components and maintain a cleaner appearance.

EFFICIENCY YOU CAN COUNT ON

For decades, KUHN Knight RC Series mixers have set the standard for reliable, heavy-duty performance and superior mixing quality—all with low horsepower requirements. Trusted by dairies, feedlots and industrial operations, these mixers deliver efficiency and durability for a wide range of applications. The RC 300 Series builds on this proven legacy with capacities from 500 to 950 ft³ and configurations in trailer, truck-mount, or stationary models. Incorporating key updates that enhance durability, simplify maintenance and improve operator convenience, the RC 300 Series continues to provide the exceptional mixing performance customers expect.



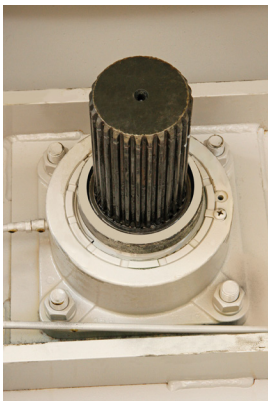


HD DRIVE

A 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. *Optional on RC 250 & 260*

The splined drive shafts allow a strong, reliable torque transfer and provide easier sprocket alignment and maintenance.









HEAVY-DUTY RUBBER WIPERS

Durable rubber wipers sweep close to the RC mixer tub for superior cleanout, combining strength and flexibility for long-lasting performance.



SIMPLE MAINTENANCE

An easy access rear panel, front panel updates for easier PTO access, convenient grease banks, valve cabinets on truck and stationary models, and ag-style PTO use on all truck drives make doing maintenance on the RC300 series simpler, quicker and cleaner.



LARGE, HEAVY-DUTY DISCHARGE DOOR

Reinforced discharge door ensures durability and secure closure, with bracing to prevent fatigue or bowing. Strong pivot mount and self-aligning link bar reduce strain on linkage. Large opening enables fast, even unloading.



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.



OPTIONAL STAINLESS DOOR

To extend the life of the mixer door, a door made with ¼" (.6 cm) 304 Stainless Steel parent material is available as an option on the RC 300 series mixers. The stainless-steel door pairs well with the stainless-steel liners, ensuring a long-life solution.

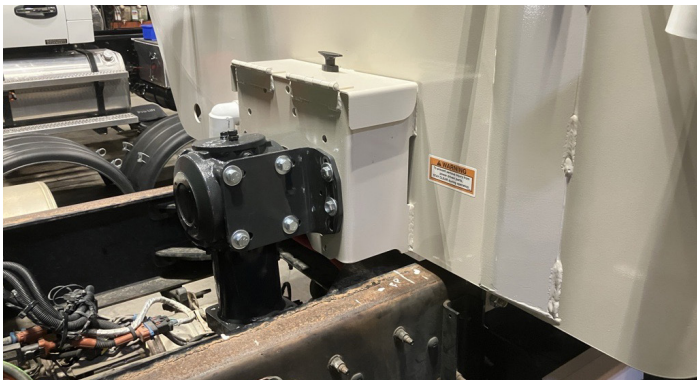




FEED SMARTER, MOVE FASTER

Truck-mounted RC 300 Series mixers deliver unmatched efficiency and flexibility for modern feeding operations. By integrating the mixer directly onto a truck chassis, operators gain faster travel speeds, especially on return trips, saving valuable time when covering long distances. Maneuverability is another major advantage; truck-mounted units excel in tight spaces and make backing into barns or feed alleys far easier than with trailed mixers. Having the mixer fully integrated into the truck allows operators to focus their tractors on other essential tasks throughout the day, improving workflow flexibility. With factory-installed wiring and hose routing, plus protected cabinets for critical components, truck-mounted systems stay cleaner, require less maintenance and offer long-term reliability. When paired with the proven KUHN Reel mixing technology, you get consistent, high-quality feed blends combined with the mobility and convenience that only a truck-mounted solution can provide.

MECHANICAL VS HYDRAULIC OPTIONS



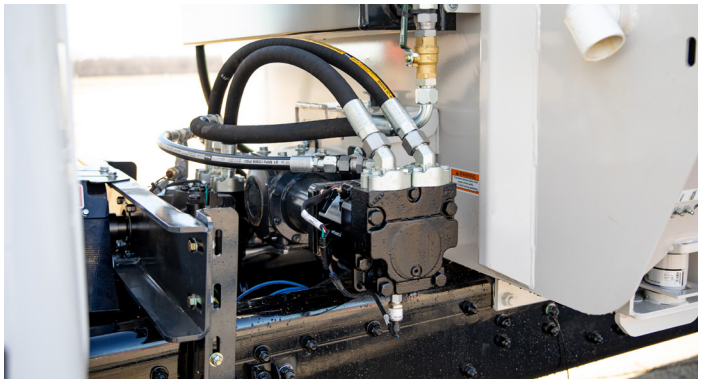
MECHANICAL DRIVE

Mechanical drive options for the RC 350, 360, and 370 truck-mount models provide a cost-effective and dependable way to power the RC mixer. These systems use a front PTO driveline that connects to a shaft powering the rear oil-bath drive, delivering consistent and reliable performance. The gearbox can be mounted in either the front or mid position for added installation flexibility, and the simple, ergonomic controls make operation easy. A protected hydraulic power pack operates the door cylinder, while factory pre-mounting and routing of all wiring and hoses help reduce installation time and ensure a clean, consistent setup.



MECHANICAL CONTROLS

Mechanical drive controls match that of many other KUHN mechanical truck mount mixers and provide simple and ergonomic operation for everyday use.



HYDROSTATIC DRIVE

Hydrostatic drive options are available on all RC models (standard on RC 395) for customers seeking maximum adjustability, functionality and simple operation. RC 300 Series mixers feature new hydrostatic controls and a display that allows operators to monitor machine parameters, adjust settings, use a mixing timer, receive maintenance reminders and view error warnings, all through an easy-to-use control box. Additionally, a designated cabinet houses the door control valve, with factory-installed hose and wire connections to keep critical components clean and protected while saving dealer mounting time.



HYDRAULIC CONTROLS

Hydrostatic drive options on RC 300 Series mixers provide advanced control and monitoring through a new display. Operators can track auger revolutions, system pressure, temperature and hours, with auger-based mix counters and automatic shutoff ensuring consistent mixing and reducing fuel use and wear. The mix timer prevents over- or under-mixing, while system alerts, error logs and service reminders protect components and simplify maintenance.



NEXT GENERATION CATTLE FEEDING

The KUHN Knight RC 3120 continues to set the benchmark in reel mixer performance, offering unmatched capacity, advanced automation and rugged durability for the most demanding feeding operations. Available in a trailed or truck-mount configuration, the RC 3120 boasts a mixing capacity of 1,200 ft³ (34 m³), making it the largest reel mixer offered by KUHN and the largest trailed reel mixer on the market. The large mixing tub features the famous Helix reel, providing fast, thorough mixing of a wide variety of already processed materials. A new sophisticated software provides unmatched automation through KUHN's new truck controls providing the operator simple control over the machine. The RC 3120 not only has the brains for next-generation cattle feeding, but also possesses the brawn necessary for demanding applications. No chains and sprockets are used on the RC 3120 drive, only heavy-duty planetary gearboxes used on vertical mixer augers and concrete mixers.



DIRECT GEARBOX DRIVE

With the large capacity of the RC 3120, a robust drive is necessary for reliable operation. Instead of using a traditional chain and sprocket drive system, the RC 3120 features a direct planetary gearbox drive. The direct planetary drive offers the capability to separate reel and auger control, providing automation capabilities in addition to providing a heavy-duty drive solution for the largest of KUHN's reel mixer line.

HEAVY-DUTY DRIVE COMPONENTS

Drive components on the RC 3120 are built to last in high-use applications. Each auger is driven by a planetary gearbox similar to the planetaries used on the VT vertical mixers. The reel drive planetary is one of the highest rated gearboxes in a planetary line that is used predominantly in concrete mixer truck applications. The drive components on the RC 3120 are comparable to bringing a twin-auger vertical mixer and a concrete mixer together and combining them in one machine!

ENHANCED TRUCK MOUNT CONTROL



NEW MIXING AUTOMATION CAPABILITY

Offering separate, direct drive of the augers and reel provides new opportunities for automation in the RC 3120. An automatic loading mode can be used to automatically turn the augers and reel on, saving on mixer wear and fuel usage. Mix counter functionality can be set up to turn off the mixing components after a designated time of loading the last ingredient. When unloading, the augers can be controlled independently of the reel as well to place precise amounts of feed and reduce machine wear and fuel use.



SIMPLE TRUCK CONTROLS

Improved, easy-to-use truck controls provide operators with a comfortable, simple operation solution. The RC 3120 offers increased capabilities while at the same time becoming simpler for the operator to run. The in-cab display portion of the updated truck controls allows operators to monitor machine performance and detect any issues that may arise. Through the display, managers can adjust automation settings, monitor machine use for maintenance purposes, and have an assistant to troubleshooting any issues.

WHICH SETUP IS RIGHT FOR YOU?



TRUCK MOUNTED MODELS

Ideal for operations prioritizing speed, efficiency and mobility.

- Fast travel between locations, reducing time on the road and improving daily throughput
- Highly maneuverable, especially when backing into barns, alleys or tight industrial spaces
- Integrated power and drive system eliminates the need for a tractor
- Improved operator comfort with truck-cab visibility, climate control and ease of operation
- Excellent for large or multi-site operations where long distances are covered routinely
- Clean, protected component routing (factory-installed wiring/hoses, enclosed cabinets) for reduced maintenance



STATIONARY MODELS

A strong fit for centralized or fixed-location processing.

- Ideal for centralized industrial or municipal sites, including those using biosolids presses
- Simplified daily workflow when all material handling happens at one location
- Optional electric drives enable quiet, low-maintenance, push-button startup
- No towing or truck requirements, reducing overall equipment needs
- Easy integration into automated or semi-automated systems



TRAILED MODELS

A flexible option for users who already have an available power unit.

- Cost-effective choice when a tractor or power unit is already part of the operation
- Heavy-duty undercarriage provides reliable performance and durability in demanding use cycles
- Power unit issues do not stop mixing from happening, pull the pin and put a new tractor on the mixer
- Tractors are designed for on-farm use
- More control over unloading speeds for enhanced feed placement

INDUSTRIAL-GRADE MIXING FOR MAXIMUM EFFICIENCY

When industrial or municipal operations demand equipment capable of handling far more than traditional feed, the full line of KUHN Knight reel mixers—from the compact 3100 Series to the high-capacity RC 3120—delivers the durability and performance required for these heavy-duty environments. The open-concept Helix® Reel provides rapid, consistent mixing and excellent load leveling, even with challenging wet materials such as biosolids. Robust drive configurations support extreme duty cycles and reliably manage the heaviest, most abrasive loads. With capacities ranging from 147 to 1,200 ft³ (4.2 to 34 m³) and available options such as heavy-duty drives and stainless-steel biosolids liners, KUHN Knight reel mixers are engineered to excel in demanding industrial and municipal applications.

- **Helix® Reel Advantage:** Open-center design eliminates obstructions for superior material movement and optimized space utilization.
- **Consistent, Homogeneous Mix:** Patented reel technology ensures uniform blending for optimal processing or land application.
- **Superior Wet Material Mixing:** A diagonal mix bar and helical reel crossbars keep material moving efficiently throughout the chamber, delivering fast, thorough mixing—even with wet, heavy industrial materials and biosolids.
- **Heavy-Duty Drive Option:** Larger countershaft, bearings, and heavier chains for extended life under extreme conditions.
- **Tailored for Industrial Use:** Optional stainless-steel liners and specialized biosolids augers for maximum durability.



FROM FOOD WASTE TO ORGANIC RECYCLING – KUHN DELIVERS REEL RESULTS

INDUSTRIAL APPLICATIONS

KUHN reel mixers handle the toughest jobs with ease—blending food byproducts for recycling or energy generation, mixing organics for composting and processing wet, heavy materials like biosolids. The Helix Reel design ensures fast, thorough mixing, while optional stainless-steel liners and heavy-duty components deliver durability in extreme conditions. For operations focused on efficiency and reliability, KUHN reel mixers are the smart choice.

MUNICIPAL APPLICATIONS

KUHN reel mixers also make handling municipal organic streams simple and efficient. From preparing biosolids for land application or composting to processing green waste for sustainable disposal, these mixers deliver fast, thorough blending for consistent results. The Helix Reel design keeps even heavy, wet materials moving smoothly, while durable construction ensures long-lasting performance in demanding environments. For municipalities focused on sustainability and reliability, KUHN reel mixers are the ideal choice.

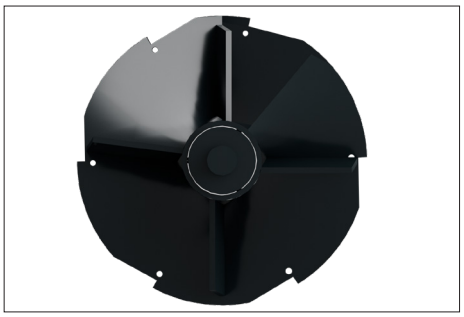






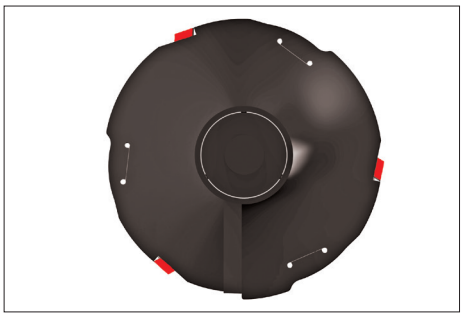


AUGER OPTIONS



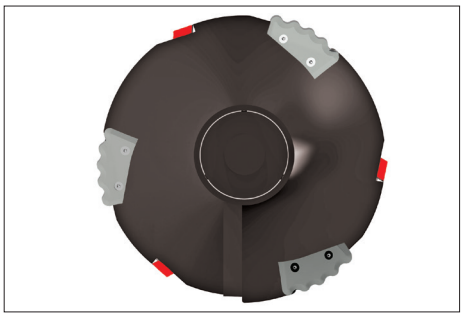
GRAIN AUGER

The grain auger option provides gentle handling of more delicate feeds like flaked corn to maintain ration quality and prevent fines.



ROUGHAGE AUGER

The roughage-auger option features notched, sectional flighting with welded-in, self-sharpening, hardened knives for better hay handling.



ROUGHAGE MAXX®

With the Roughage Maxx System, scalloped knives on the lower augers maximize hay processing, providing consistent particle length and even ration blending.



SMALL GRAINS AUGER

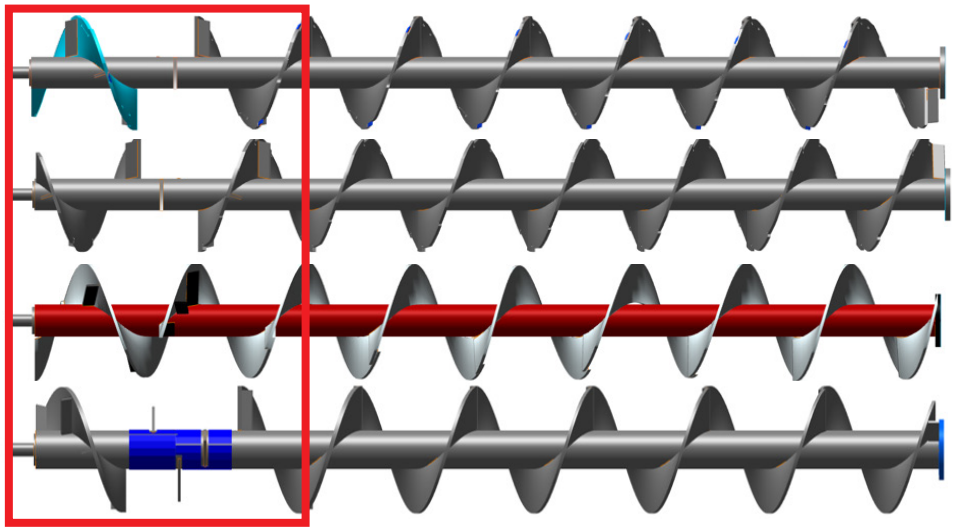
Small grains augers offer the gentlest mixing in the RC Series. Continuous flighting eliminates knives and notches, ensuring smooth operation and fast unloading of flowable rations.



BIOSOLID AUGER

Biosolid augers are the toughest option, built for heavy-duty industrial use with solid flighting, no knife notches or welded knives.

AUGER FLIGHTING COMPARISON



ROUGHAGE & GRAIN: Slightly trimmed flighting at door convergence area for unloading of mixes containing some forage material

SMALL GRAIN: Continuous flighting meets at the door convergence area for the fastest unloading of flowable grain rations

BIOSOLID: Trimmed flighting at door convergence area for handling difficult to move biosolid materials



TRUCK OPTIONS





BUMPERS

Three different truck bumper options are available to match needs. 1. Flat bumper with roller for REPTO or mechanical drive units (left picture), 2. Angled bumper with roller for FEPTO units (right picture) and 3. Angled bumper without roller for FEPTO units





TRUCK FENDERS

Three different truck fender options are available to match needs. 1. Individual poly fenders (left picture), 2. Tandem poly fenders (right picture) and 3. Tandem steel fenders



BUNK LIGHTS

Truck mount models come with a pre-wired LED bunk light option for early mornings and late nights. Bunk lights having pre-run wires at the factory saves dealer mounting time.

MULTIPLE DISCHARGE OPTIONS





SLIDE TRAY

The high discharge point of Reel Auggie mixers allows use of the simple, dependable, low-cost slide tray in most applications. It has simple hydraulic controls and the long discharge tray reaches deeper into bunks to prevent feed loss from the wind. Magnets are standard on slide tray.

Available on all models

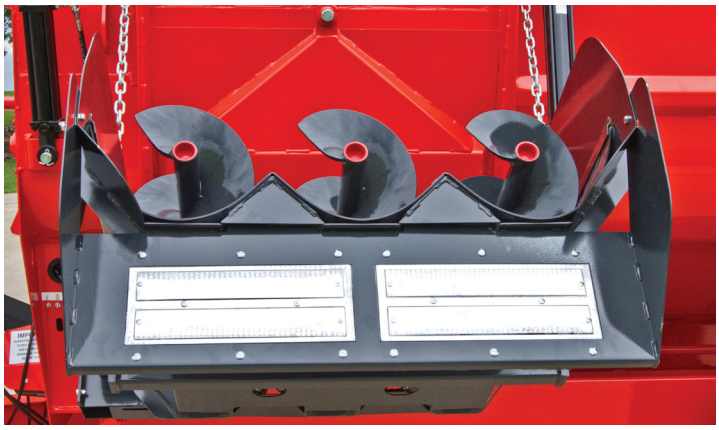


CHAIN AND SLAT CONVEYOR

Rugged chain and slat conveyor options provide the ultimate in durability and long life. Heavy-duty components ensure reliable service and multiple conveyor length options offer unmatched flexibility to match different feeding situations.

Available on all models except RC 395 & RC 3120

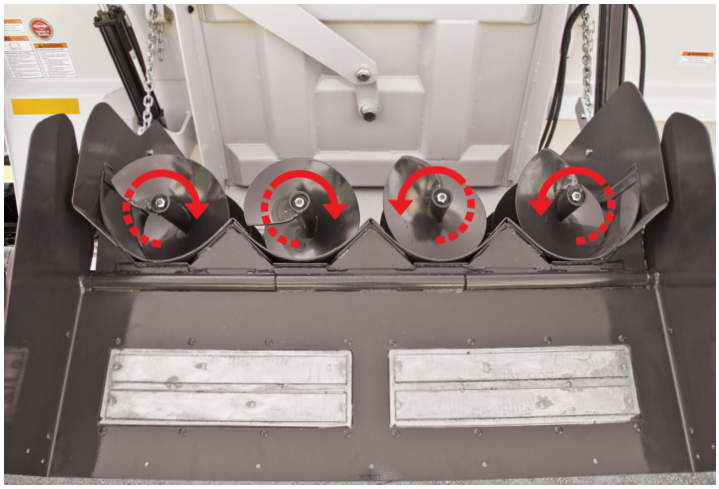




3-AUGER DISCHARGE

The 3-auger discharge allows adjustment for feeding into higher bunks. It has a simple, hydraulic drive that provides smooth, even discharge. Long lasting, poly chute liners help prevent rust and limit wear. The 3-auger discharge comes standard with fixed tip-off and built-in magnets.

3100 and RA models only



4-AUGER DISCHARGE

Counter-rotating augers bring the feed to the center of the discharge to increase overall capacity and provide a smooth, even discharge for all ration types. The 4-auger discharge comes standard with power tip-off and built-in magnets.

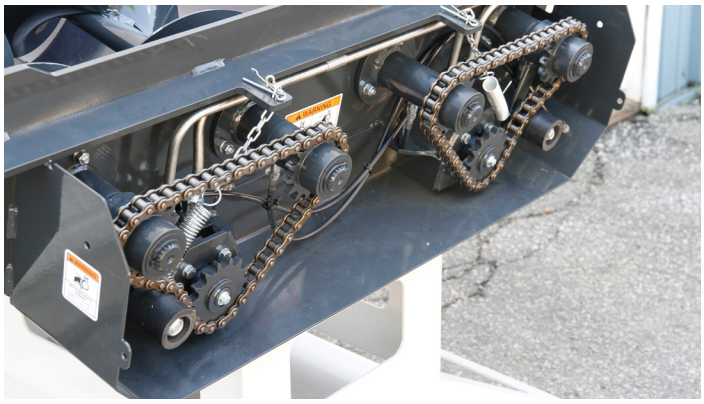
RC 350, 360 & 370 models only



REMOVABLE AUGERS & POLY LINERS

The discharge augers are held on by a single lock nut making them firmly attached, yet simple to remove for easy cleaning and service. Long-lasting, replaceable polyethylene chute liners prevent rust and limit wear.

4-auger discharge feature



SIMPLIFIED DRIVE

As with the main auger drive, the discharge auger shafts are splined for a more positive power transfer and longer service life. The simplified drive design, featuring only two chains and a remote grease bank, results in easy service and maintenance.

4-auger discharge feature

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®

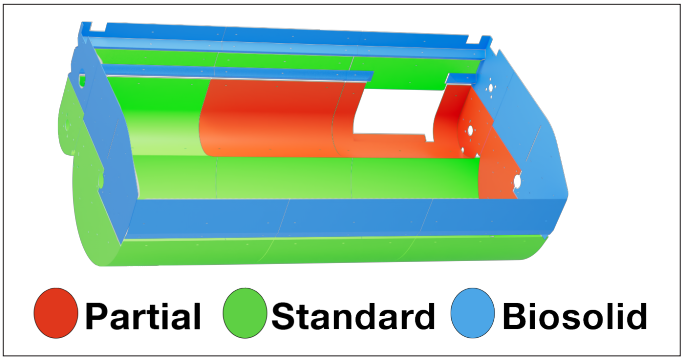
The Hay Maxx System provides enhanced processing of a wide variety of materials. Hay and other bulky materials can be placed on the pan, allowing them to be preprocessed by the upper auger before entering the mixing chamber. Additional aggressive, hardened-edge knives are added to the upper auger that help process the hay to the proper length before entering the mixing chamber.

ADDITIONAL OPTIONS



SCALE SYSTEMS

Different scale brands, models and options are available for all types of operations, ranging from the basic to high-end feed tracking programs. Optional remote indicators are available for placement that will allow easier viewing.



STAINLESS STEEL LINERS

High-quality 12-gauge 304 stainless steel liners increase RC mixer tub durability, with partial liners protecting key high-wear areas at about one-third the cost of full liners, which cover the bottom auger, reel hoppers and lower rear panel for maximum protection. For extreme wear, truck and stationary models can be equipped with “biosolid” stainless liners, originally developed for industrial applications, which extend above the mixer door and provide expanded coverage of the front panel, rear panel and hopper sides, also constructed from 12-gauge 304 stainless steel.

3115 and 3120 are only available with full stainless steel liner
Biosolid liners are available on truck & stationary 360, 370 and 395 models

REEL TMR MIXERS STATIONARY MODELS

Technical Specifications

	3115	3120	RA 125	RA 130	RA 136	RA 142	RC 350	RC 360	RC 370	RC 395
Capacity	147 ft³ (4.2 m³)	216 ft³ (6.1 m³)	250 ft³ (7.1 m³)	300 ft³ (8.5 m³)	360 ft³ (10.2 m³)	420 ft³ (11.9 m³)	500 ft³ (14.2 m³)	600 ft³ (17 m³)	700 ft³ (19.8 m³)	950 ft³ (26.9 m³)
Maximum Net load	4,410 lbs (2,000 kg)	6,480 lbs (2,939 kg)	7,500 lbs (3,402 kg)	9,000 lbs (4,082 kg)	10,800 lbs (4,900 kg)	12,600 lbs (5,715 kg)	15,000 lbs (6,804 kg)	18,000 lbs (8,165 kg)	21,000 lbs (9,525 kg)	28,500 lbs (12,927 kg)
Overall Height	64" (163 cm)		69" (175 cm)		87" (221 cm)		84" (213 cm)			99" (251 cm)
Overall Height - Haypan Up	17" (43 cm)	22" (56 cm)	23" (58 cm)				24" (61 cm)			22" (56 cm)
Overall Height - Haypan Down	-	8" (20 cm)	8" (20 cm)				9" (23 cm)			7" (18 cm)
Mixing Chamber Length	84" (213 cm)	120" (305 cm)	120" (305 cm)	144" (366 cm)	132" (335 cm)	156" (396 cm)	168" (427 cm)	198" (503 cm)	228" (579 cm)	216" (549 cm)
Overall Width - Mixer Only (No Discharge)	88" (224 cm)		92" (234 cm)		108" (274 cm)		109" (277 cm)			126" (320 cm)
Reel Speed	4.5 RPM	5 RPM	8 RPM		6.25 RPM		5.7 RPM			5.2 RPM
Reel Arms	4		4		5		5			
Lower Auger Flighting Diameter	16" (41 cm)		18" (46 cm)		20" (51 cm)		24" (61 cm)			28" (71 cm)
Lower Auger Flighting Thickness - Sectional	3/8" (1 cm)		3/8" (1 cm)		1/2" (1.3 cm)		Front: 3/4" (1.9 cm) Rear: 5/8" (1.6 cm)			
Lower Auger Tube - Outside Diameter	4" (10.2 cm)		5 9/16" (14 cm)				6 5/8" (17 cm)		8 5/8" (22 cm)	
Lower Auger Drive Shaft Diameter	2" (5.1 cm)	2 1/2" (6.4 cm)	2 1/2" (6.4 cm)		3" (8 cm)		3 1/2" (8.9 cm)			5" (12.7 cm)
Upper Auger Flighting Diameter	14" (36 cm)		14" (36 cm)		20" (51 cm)		22" (56 cm)		24" (61 cm)	28" (71 cm)
Upper Auger Flighting Thickness	3/8" (1 cm)		3/8" (1 cm)		1/4" (0.6 cm)		1/2" (1.3 cm)			
Upper Auger Tube - Outside Diameter	4" (10.2 cm)		5 9/16" (14 cm)		8 5/8" (22 cm)		6 5/8" (17 cm)			8 5/8" (22 cm)
Upper Auger Drive Shaft Diameter	2" (5.1 cm)		2 1/2" (6.4 cm)		3" (8 cm)		3 1/2" (8.9 cm)			4" (10.2 cm)
Reel Diameter	52" (132 cm)		60" (1.5 m)		68" (173 cm)		70" (178 cm)			84" (213 cm)
Reel Driveshaft Diameter	3" (8 cm)	3 1/2" (9 cm)	3 1/2" (9 cm)		4" (10 cm)		5" (13 cm)			8" (20 cm) Tube
Length - Haypan	84" (213 cm)	96" (244 cm)	96" (244 cm)		96" (244 cm)	120" (305 cm)	120" (305 cm)	144" (366 cm)		
Lower Auger Tube - Wall Thickness	1/4" (0.6 cm)	5/16" (0.8 cm)	3/8" (1 cm)				7/16" (1.1 cm)		1/2" (1.3 cm)	
Upper Auger Tube - Wall Thickness	1/4" (0.6 cm)	1/4" (0.6 cm)	3/8" (1 cm)	3/8" (1 cm)	5/16" (0.8 cm)	5/16" (0.8 cm)	7/16" (1.1 cm)	7/16" (1.1 cm)	5/16" (.8 cm)	1/2" (1.3 cm)
Roller Chain Drive	50-60-80	60H-80-100H	80-80H-100H		80-100-120		80-100-120-140 (Heavy-Duty: 100-120-140-140)		100-120-140-140	100-140-160-200
Unit Weight	2,850 lbs (1,293 kg.)	4,809 lbs (2,181 kg)	6,600 lbs (2,994 kg)	7,280 lbs (3,302 kg)	9,310 lbs (4,223 kg)	9,720 lbs (4,409 kg)	14,700 - 16,370 lbs (6,668 - 7,425 kg)	15,540 - 19,260 lbs (7,049 - 8,736 kg)	18,090 - 22,880 lbs (8,205 - 10,378 kg)	21,990 - 25,130 lbs (9,974 - 11,399 kg)
Weighing System	4-point		4-point				4-point			
Door Opening Size	20"x16" (51x41 cm)	36"x 20" (91x51 cm)	36" x 20" (91x51 cm)				42"x22" (107x56 cm)			48"x26" (122x66 cm)
Sidewall Thickness - Auger / Reel	9/64" (0.3 cm)		9/64" (0.3 cm)				7 GA / 1/4" (0.5 / 0.6 cm)			1/4" (0.6 cm)
Stainless Steel Side Liner	7/64" (0.3 cm)		7/64" (0.3 cm)				7/64" (0.3 cm)			
End Panel Thickness - Front and Rear	9/64" (0.3 cm)		3/16" (0.5 cm)				1/4" (0.64 cm)			
Reel Hopper Thickness	7 GA (0.5 cm)		5/16" (0.8 cm)				3/8" (1 cm)			
Auger Hopper Thickness	1/4" (0.6 cm)		5/16" (0.8 cm)				3/8" (1 cm)			
Oil Bath Location	Front		Front		Rear		Rear			
Overall Length - With Motor Mount	120" (305 cm)	159" (404 cm)	161" (409 cm)	185" (470 cm)	184" (467 cm)	208" (528 cm)	226" (574 cm)	256" (650 cm)	286" (726 cm)	309" (785 cm)
Length Reduction - Less Motor Mount	12" (31 cm)	23" (58 cm)	21" (53 cm)		28" (71 cm)		33" (84 cm)			-
Motor Mount to Center of Discharge Door	50" (127 cm)	65" (165 cm)	65" (165 cm)		60" (152 cm)		67" (170 cm)			-
Overall Height - with Rails and Scales	64" (163 cm)		69" (175 cm)		87" (221 cm)		84" (213 cm)			99" (251 cm)
Discharge Height - With Rails and Scales	16 1/2" (42 cm)	18" (46 cm)	18" (46 cm)		23" (58 cm)		18" (46 cm)			24" (61 cm)
Height Reduction - Less Rails and Scales	7" (18 cm)		7" (18 cm)		14" (36 cm)		5 1/2" (14 cm)			9" (23 cm)
Electric Motor Horsepower	7.5-10 hp (5.6-7.5 kW)	10 hp (7.5 kW)	20 hp (15 kW)		25 - 30 hp (18 - 22 kW)		50 hp (37 kW)	60 hp (45 kW)	70 hp (52 kW)	100 hp 75 kW)
Electric Motor RPM	1,800 RPM		1,800 RPM				1,800 RPM			
Discharge Door Control	Manual		Manual		Manual or Elec/Hyd.		Manual or Elec/Hyd.			Elec/Hyd.

REEL TMR MIXERS TRAILER & TRUCK MODELS

Technical Specifications

	3115 TRAILER	3120 TRAILER	3120 TRUCK	RA 125 TRAILER	RA 125 TRUCK	RA 130 TRAILER	RA 130 TRUCK	RA 136 TRAILER	RA 136 TRUCK	RA 142 TRAILER	RA 142 TRUCK
Capacity	147 ft³ (4.2 m³)	216 ft³ (6.1 m³)		250 ft³ (7.1 m³)		300 ft³ (8.5 m³)		360 ft³ (10.2 m³)		420 ft³ (11.9 m³)	420 ft³ (11.9 m³)
Maximum Net load	4,410 lbs (2,000 kg)	6,480 lbs (2,939 kg)		7,500 lbs (3,402 kg)		9,000 lbs (4,082 kg)		10,800 lbs (4,900 kg)		12,600 lbs (5,715 kg)	12,600 lbs (5,715 kg)
Overall Height	77" (196 cm)	84" (213 cm)	102" (259 cm)	88" (224 cm)	108" (274 cm)	88" (224 cm)	108" (274 cm)	103"/97" (262/246 cm) High/Low Axle	115" (292 cm)	103"/97" (262/246 cm) High/Low Axle	115" (292 cm)
Drop-Side Reduction	-			-				15" (38 cm)			
Overall Height - Haypan Up	17" (43 cm)	22" (56 cm)		23" (58 cm)							
Overall Height - Haypan Down	-	8" (20 cm)		8" (20 cm)							
Overall Length	145" (368 cm)	189" (480 cm)	150'' (381 cm)	188" (478 cm)	148" (376 cm)	212" (538 cm)	172" (437 cm)	209" (531 cm)	158" (401 cm)	233" (592 cm)	182" (462 cm)
Mixing Chamber Length	84" (213 cm)	120" (305 cm)		120" (305 m)		144" (366 cm)		132" (335 cm)		156" (396 cm)	156" (396 cm)
Overall Width - Mixer Only (No Discharge)	88" (224 cm)			92" (234 cm)				99" (251 cm)			99" (251 cm)
Tread Width	82" (208 cm)		-	84" (213 cm)	-	84" (213 cm)	-	94" (239 cm)	-	94" (239 cm)	-
PTO Drive	540 RPM		-	540 RPM	-	540 RPM	-	540 or 1,000 RPM	-	540 or 1,000 RPM	-
PTO Minimum Power Requirement	45 hp (34 kW)	50 hp (37 kW)	-	55 hp (41 kW)	-	60 hp (45 kW)	-	75 hp (56 kW)	-	90 hp (67 kW)	-
Reel Speed	5 RPM	7 RPM		8 RPM				6.25 RPM			
Reel Arms	4			4				5			
Lower Auger Flighting Diameter	16" (41 cm)			18" (46 cm)				20" (51 cm)			
Lower Auger Flighting Thickness	3/8" (1 cm)			3/8" (1 cm)				1/2" (1.3 cm)			
Lower Auger Tube - Outside Diameter	4" (10.2 cm)			5 9/16" (14 cm)							
Lower Auger Drive Shaft Diameter	2" (5.1 cm)			2 1/2" (6.4 cm)				3" (8 cm)			
Upper Auger Flighting Diameter	14" (36 cm)			14" (36 cm)				20" (51 cm)			
Upper Auger Flighting Thickness	3/8" (1 cm)			3/8" (1 cm)				1/4" (0.6 cm)			
Upper Auger Tube - Outside Diameter	4" (10.2 cm)			5 9/16" (14 cm)				8 5/8" (22 cm)			
Upper Auger Drive Shaft Diameter	2" (5.1 cm)	2 1/2" (6.4 cm)		2 1/2" (6.4 cm)				3" (8 cm)			
Reel Diameter	52" (132 cm)			60" (1.5 m)				68" (173 cm)			
Reel Driveshaft Diameter	3" (8 cm)	3 1/2" (9 cm)		3 1/2" (8.9 cm)				4" (10 cm)			
Lower Auger Tube - Wall Thickness	1/4" (0.6 cm)	5/16" (0.8 cm)		3/8" (1 cm)							
Upper Auger Tube - Wall Thickness	1/4" (0.6 cm)			3/8" (1 cm)				5/16" (0.8 cm)			
Roller Chain Drive	60-80-100	60H -80-100H		80-80H-100H				80-100-120			
Axle Configuration	Single Axle			Single axle							
Hubs	8-Bolt		-	8-Bolt				10 Bolt			
Unit Weight	3,720 lbs (1,687 kg)	6,173 lbs (2,800 kg)	4,810 lbs (2,182 kg)	7,380 lbs (3,348 kg)	6,690 lbs (3,035 kg)	8,360 lbs (3,792 kg)	7,350 lbs (3,334 kg)	10,390 lbs (4,713 kg)	9,300 lbs (4,218 kg)	11,250 lbs (5,103 kg)	9,710 lbs (4, 404 kg)
Tongue Weight - % Gross	18%	12%	-	14%	-	14%	-	12%	-	9%	-
Door Opening Size	20"x16" (51x41 cm)	36"x 20" (91x51 cm)		36" x 20" (91 x 51 cm)							
Sidewall Thickness - Auger / Reel	9/64" (0.3 cm)			9/64" (0.3 cm)		9/64"/ 7 GA (0.3/0.5 cm)	9/64" (0.3 cm)	9/64"/ 7 GA (0.3/0.5 cm)		7 GA / 1/4" (0.5 / 0.6 cm)	9/64"/ 7 GA (0.3/0.5 cm)
Stainless Steel Side Liner	7/64" (0.3 cm)			7/64" (0.3 cm)							
End Panel Thickness - Front & Rear	9/64" (0.3 cm)			3/16" (0.5 cm)				7 GA (0.5 cm)	7 GA (0.5 cm)	7 GA (0.5 cm)	7 GA (0.5 cm)
Reel Hopper Thickness	7 GA (0.5 cm)			5/16" (0.8 cm)							
Auger Hopper Thickness	1/4" (0.6 cm)			5/16" (0.8 cm)							
Oil Bath Location	Front			Front				Rear			
Discharge Hinge Height	31" (79 cm)	36" (91 cm)	50" (127 cm)	37" (94 cm)	57" (145 cm)	37" (94 cm)	57" (145 cm)	48" (122 cm)	61" (155 cm)	48" (122 cm)	61" (155 cm)

RC 350 TRAILER	RC 350 TRUCK	RC 360 TRAILER	RC 360 TRUCK	RC 370 TRAILER	RC 370 TRUCK	RC 395 TRAILER	RC 395 TRUCK	RC 3120 TRAILER	RC 3120 TRUCK
500 ft³ (14.2 m³)		600 ft³ (17 m³)		700 ft³ (19.8 m³)		950 ft³ (26.9 m³)		1,200 ft³ (34 m³)	
15,000 lbs (6,804 kg)		18,000 lbs (8,165 kg)		SA: 16,800 lbs (7,620 kg) TA: 21,000 lbs (9,525 kg)	21,000 lbs (9,525 kg)	28,500 lbs (12,927 kg)		32,000 lbs (14,515 kg)	
SA: 111" (282 cm)	123" (312 cm)	SA: 111" (282 cm); TA: 114" (290 cm); TA w/Brakes: 112" (284 cm)	123" (312 cm)	SA: 111" (282 cm); TA: 114" (290 cm); TA w/Brakes: 112" (284 cm)	123" (312 cm)	TA: 126" (320 cm); TA w/Brakes: 130" (330 cm)	139" (353 cm)	127" (323 cm)	135" (343 cm)
12" (30 cm)						-		-	
24" (61 cm)						22" (56 cm)		22" (56 cm)	21" (53 cm)
9" (23 cm)						7" (18 cm)		7" (18 cm)	6" (15 cm)
246" (625 cm)	200" (508 cm)	276 (701 cm)	230" (584 cm)	306" (777 cm)	260" (660 cm)	298" (757 cm)	256" (650 cm)	350" (889 cm)	294" (747 cm)
168" (427 cm)		198" (503 cm)		228" (579 cm)		216" (549 cm)		264" (671 cm)	
106" (269 cm)	106" (269 cm)					125" (318 cm)		120" (305 cm)	116" (295 cm)
SA: 99" (251 cm)	-	SA: 99" (251 cm) TA: 106" (269 cm) TA w/Brakes: 112" (284 cm)	-	SA: 99" (251 cm) TA: 106" (269 cm) TA w/Brakes: 112" (284 cm)	-	TA: 115" (292 cm) TA w/Brakes: 103" (262 cm)	-	108" (274 cm)	-
540 or 1,000 RPM	-	540 or 1,000 RPM	-	1,000 RPM	-	1,000 RPM	-	1,000 RPM	-
100 hp (75 kW)	-	110 hp (82 kW)	-	120 hp (90 kW)	-	170 hp (127 kW)	-	-	
5.6 - 6.8 RPM	6.4 RPM	5.6 - 6.8 RPM	6.4 RPM	5.6 - 6.8 RPM	6.4 RPM	5.2 RPM		5.2 RPM	Variable Auger and Reel Speed
5								5	
24" (61 cm)						28" (71 cm)		28" (71 cm)	
Front: 3/4" (1.9 cm) Rear: 5/8" (1.6 cm)								5/8" (1.6 cm)	
6 5/8" (17 cm)				8 5/8" (22 cm)				10.75" (27 cm)	
3 1/2" (8.9 cm)						5" (12.7 cm)		-	
22" (56 cm)				24" (61 cm)		28" (71 cm)	-	28" (71 cm)	
1/2" (1.3 cm)								1/2" (1.3 cm)	
6 5/8" (17 cm)						8 5/8" (22 cm)	8 5/8" (22 cm)	10.75" (27 cm)	
3 1/2" (8.9 cm)						4" (10.2 cm)	4" (10.2 cm)	-	
70" (178 cm)						84" (213 cm)	84" (213 cm)	84" (213 cm)	
5" (13 cm)						8" (20 cm)	8" (20 cm)	Gearbox Drive	
7/16" (1.1 cm)				1/2" (1.3 cm)				1/2" (1.3 cm)	
7/16" (1.1 cm)				5/16" (.8 cm)		1/2" (1.3 cm)	1/2" (1.3 cm)	3/8" (1 cm)	
80-100-120-140 (Heavy-Duty: 100-120-140-140)				100-120-140-140	80-100-120-140 (Heavy-Duty: 100-120-140-140)	100-140-160-200		Gearbox Drive	
Single Axle		Single or Tandem Axle			Tandem Axle			Tandem Axle	Tandem Axle
HD 10-Bolt	-	HD 10-Bolt	-	HD 10-Bolt	-	HD 10-Bolt	-	HD 10-Bolt	-
15,750 -19,680 lbs (7,144 - 8,927 kg)	14,200 - 19,850 lbs (6,441 - 9,004 kg)	17,460 - 23,330 lbs (7,920 - 10,582 kg)	15,790 - 22,710 lbs (7,162 - 10,301 kg)	20,380 - 26,590 lbs (9,244 - 12,061 kg)	18,410 - 26,400 lbs (8,351 - 11,974 kg)	26,270 - 29,500 lbs (11,916 - 13,381 kg)	21,140 - 27,070 lbs (9,589 - 12,279 kg)	31,950 lbs (14,492 kg)	30,100 lbs (13,650 kg)
10.5%	-	11%	-	11%	-	10.5%	-	8.5%	-
42"x22" (107x56 cm)						48"x26" (122x66 cm)		48" X 26" (122 X 66 cm)	
7 GA / 1/4" (0.5 / 0.6 cm)						1/4" (0.6 cm)		1/4" (0.6 cm)	
7/64" (0.3 cm)								7/64" (0.3 cm)	
1/4" (0.6 cm)								1/4" (0.6 cm)	
3/8" (1 cm)								3/8" (1 cm)	
3/8" (1 cm)								3/8" (1 cm)	
Rear								Rear	-
SA: 47" (119 cm)	58" (147 cm)	SA: 47 (119cm) TA:50" (127 cm) TA w/ Brakes: 48" (122 cm)	58" (147 cm)	SA: 47 (119 cm) TA:50" (127 cm) TA w/ Brakes: 48" (122 cm)	58" (147 cm)	TA: 55" (140 cm) TA w/Brakes: 59" (150 cm)	67" (170 cm)	56" (142 cm)	59" (150 cm)

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