

Reel Commercial TMR Mixer | 1,200 ft³ (34 m³)



RC 3120 Reel Commercial Mixer

Product Information



The KUHN Knight RC 3120 is the newest addition to the KUHN Knight reel mixer lineup. Available in 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. The large mixing tub features the famous Helix[®] reel, providing fast, thorough mixing of a wide variety of already processed materials.

A new mixer drive configuration provides unmatched automation and capabilities through sophisticated software, while KUHN's new truck controls provide operators with simple control over the new system. 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.



LARGE CAPACITY

The large 1,200 ft³ (34 m³) capacity of the RC 3120 provides larger farms with a reel mixer option in the higher capacities needed for commercial operations.



PROVEN HELIX REEL DESIGN

The RC 3120 takes the large-capacity, heavy-duty drive, and technological capabilities and combines them with the renowned Helix reel design, creating the ultimate mixer for producers looking to achieve the highest mixing quality with a large and simple, yet technologically advanced, machine.



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!



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.



UPDATED 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.

Technical Specifications

Reel Commercial TMR Mixer

RC 3120 Truck

SPECIFICATIONS	
Capacity	1,200 ft ³ (34 m ³)
Maximum Net Load	32,000 lbs (14,515 kg)
Auger Drive	Direct Planetary Drive
Reel Drive	Direct Planetary Drive
Truck Horsepower	360 hp



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