

Variable Chamber Round Balers

VB 7100 SERIES



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Invest in Quality®

VB 7160 – 7190 HIGH-PERFORMANCE ROUND BALERS

KEEP AHEAD

The KUHN VB 7100 Series sets a new standard in round baling. The balers offer you high performance, producing dense bales and giving a high capacity in all crop conditions. The heavy-duty design guarantees maximum lifetime with minimum downtime. **Where others stop, the KUHN VB 7100 Series starts.**

HIGH-DENSITY BALES

Produce bales with densities of up to 8.8 lbs/ft³ (140 kg/m³) in straw thanks to the new KUHN patented* i-DENSE system. This intelligent twin tension arm system in combination with the measurements of the moisture sensor, automatically adapts the baling pressure according to the different crops and crop conditions, without intervention from the driver. This results in the most economical use of your baler without compromising on performance.

HIGH CAPACITY IN ALL CIRCUMSTANCES

Silage or straw, the VB 7100 Series balers offer you a capacity of up to 33 T/hour (30 mT/hour) in various circumstances. The unique mix of the i-DENSE system and the proven 4 belt + 3 roller design of the bale chamber ensures fast, secure and consistent bale formation in any crop condition, even in silage. The KUHN invented Integral Rotor ensures the best possible crop flow. The net wrap, with active stretch technology, guarantees a consistent net tension and sturdy bale shape. On top of that, the VB 7100 balers feature the fastest tailgate operation in the market. Within 4 seconds the bale is ejected and the tailgate is closed again.

MAXIMUM LIFETIME, MINIMUM DOWNTIME

Extreme durability of components ensures minimum downtime for maximum baling time. Thanks to its heavy-duty design, the balers provide the robustness and reliability you need. Four baler belts ensure optimal track and bale formation. Wear resistant and oversize chains are oiled with an automatic continuous chain oiling system. The rotor tines are made out of Hardox® wear plates. 50 mm spherical roller bearings are fitted on the main driven rollers and special KUHN patented* seals on the idling rollers. These seals, consisting of a unique combination of specially developed rings, keep crop contamination away from the bearings.

EVERYTHING FOR YOUR CONVENIENCE

Just focus on driving while your baler takes control of the density and the power consumption, yet another advantage of the i-DENSE system. All this, including the moisture indication and many other data points, can be monitored on the ISOBUS display terminal. The net wrap system facilitates loading from both sides of the machine. Thanks to the new KUHN patented* support brackets, you can slide the net easily from the net storage into the net binder without lifting the entire roll, allowing you to load the net roll while standing safely on the ground. Switching between the different sets of knives is easy using KUHN's proven Group Selection technology.

*Patent or patent pending in one or more countries.

MACHINE HIGHLIGHTS



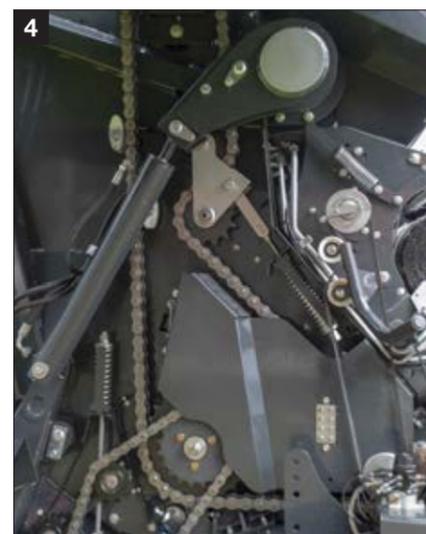
KUHN patented* i-DENSE system provides densities of up to 8.8 lb/ft³ (140 kg/m³) in straw



4 belt, 3 roller design of the bale chamber ensures fast, secure and consistent bale formation in any crop condition



KUHN Integral Rotor with tines made out of Hardox® wear plates



Robust driveline with wear-resistant and oversized chains



Within 4 seconds the bale is ejected and the tailgate is closed again



Seals on the idling rollers to keep crop contamination away



Support brackets for easy loading of the net roll

SPECIFICATIONS

	VB 7160 OptiCut		VB 7160 OptiFeed		VB 7190 OptiCut		VB 7190 OptiFeed	
Bale diameter	31.5" - 63.0" (80-160 cm)				31.5" - 72.8" (80 - 185 cm)			
Bale size - width x diameter	4' x 5' (120 x 160 cm)				4' x 6' (120 x 185 cm)			
Bale width	47.2" (120 cm)				47.2" (120 cm)			
Bale chamber	1 starter roller – 2 bale chamber rollers – 4 endless belts				1 starter roller – 2 bale chamber rollers – 4 endless belts			
Bale chamber idler rollers	Standard with HD bearings and seals				Standard with HD bearings and seals			
Bale pressure	290 - 2901 psi (20 - 200 bar)				290 - 2901 psi (20 - 200 bar)			
Proportional valve soft core	Standard				Standard			
Secondary belt drive	Standard				Standard			
Chain lubrication system	Standard, BEKA-MAX continuous chain oiler with 2.1 gal (8 L) reservoir				Standard, BEKA-MAX continuous chain oiler with 2.1 gal (8 L) reservoir			
Intake system	Integral rotor with knives and drop floor with Hardox tines		Integral rotor and drop floor with Hardox tines		Integral rotor with knives and drop floor with Hardox tines		Integral rotor and drop floor with Hardox tines	
Number of knives	14 knives standard (23 knives optional)		-		14 knives standard (23 knives optional)		-	
Knives selection	Group Selection from monitor		-		Group Selection from monitor		-	
Drop floor	Standard				Standard			
Minimum cutting length	OC 14: 2.8" (70 mm) OC 23: 1.8" (45 mm)		-		OC 14: 2.8" (70 mm) - OC 23: 1.8" (45 mm)		-	
Knife protection system	Individual spring protected		-		Individual spring protected		-	
Pickup width	90.6" (230 cm)				90.6" (230 cm)			
Number of pickup tine bars	5				5			
Pickup gauge wheels	Standard pivoting wheel with semi-pneumatic tire (fixed wheel option)		Standard fixed wheel with semi-pneumatic tire (pivoting wheel option)		Standard pivoting wheel with semi-pneumatic tire (fixed wheel option)		Standard fixed wheel with semi-pneumatic tire (pivoting wheel option)	
Pickup windguard	Standard with large-diameter 8.5" (217 mm) roller				Standard with large-diameter 8.5" (217 mm) roller			
Bale kicker	Standard				Standard			
Bale packaging system	Net wrap standard (net & twine optional)				Net wrap standard (net & twine optional)			
PTO power requirement	OC 14: 120 hp (88 kW) OC 23: 135 hp (99 kW)		109 hp (80 kW)		OC 14: 120 hp (88 kW) OC 23: 135 hp (99 kW)		109 hp (80 kW)	
PTO type	1 3/8" CV 6-spline				1 3/8" CV 6-spline			
PTO speed	540 standard - 1,000 optional				540 standard - 1,000 optional			
Overload protection	Cam clutch				Cam clutch			
Tires	500/45 - 22.5, 520/55R22.5 or 600/50R22.5				500/45 - 22.5, 520/55R22.5 or 600/50R22.5			
Transport width	105.6" (268 cm)				105.6" (268 cm)			
ISOBUS ready/Electronic monitor	No terminal, CCI 50, CCI 800 or CCI 1200 control box.				No terminal, CCI 50, CCI 800 or CCI 1200 control box.			
Required tractor hydraulic connections	2 double acting valves, 1 single acting valve, 1 open return				2 double acting valves, 1 single acting valve, 1 open return			
Minimum machine weight	9,260 lbs (4,200 kg)				9,260 lbs (4,200 kg)			

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Your KUHN dealer

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