

LB 8200-12200



High density balers





Light crops of second cut silage



Large bulky swaths of straw

Vicon Power Density System

Well shaped bales in all crop conditions

With the LB 8200 and LB 12200 balers Vicon introduces an all-new feeding system. Power Density's even feed to the bale chamber ensures consistent well shaped bales in all crop conditions. Vicon LB balers can be operated just as effectively in a large bulky swath of straw as in a light crop of second cut silage.

Power Density with it's fully dynamic non-stop feeding fork, packs crop into a pre-chamber to create wads for the bale, but unlike conventional three-stroke systems, the pre-chamber will not release a wad to the main bale chamber until sufficient material has been gathered and pre-compressed.



The pre-chamber pressure can be finetuned according to different conditions



How Power Density works

With "Power Density" a single feeder fork is used to pre-compress the crop. Operating on a continuous cycle, the fork is used to transport the crop upwards into the bale chamber.

As the feeder fork continues to fill the pre-chamber, spring loaded wedges are gradually compressed. When they reach their fully

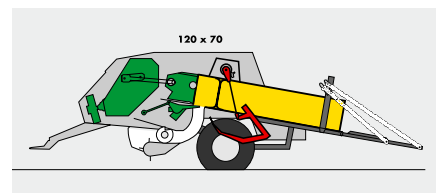
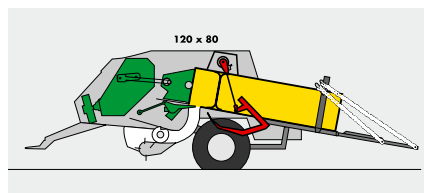
rearmost position, they trigger a latch which causes the feeder fork to move through an extended stroke. This pushes the crop up into the main bale chamber, where the plunger continues to form the bale.



Baling, loading and transport complement each other perfectly

Minimum transport costs

Developed for use in grass, hay and straw, the LB 8200 and LB 12200 produce bales measuring 80 cm and 120 cm wide respectively, but both feature an adjustable chamber. The latter allows bale heights to be swapped from 70cm to 80cm, to suit re-handling and haulage needs.



4 different bale sizes are possible:

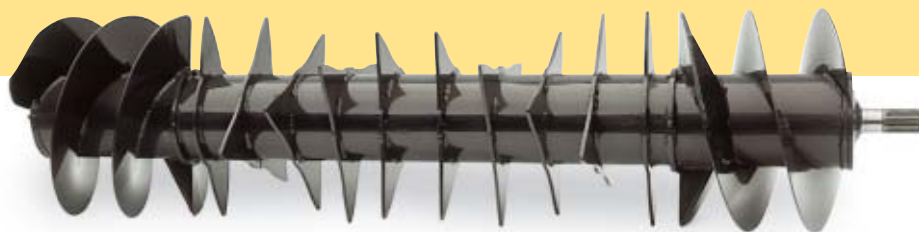
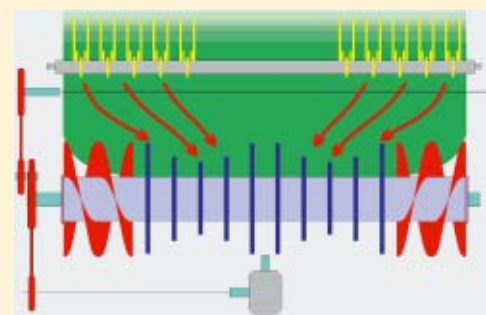
LB 8200	80 cm x 70 cm
	80 cm x 80 cm
LB 12200	120 cm x 70 cm
	120 cm x 80 cm





LB 8200-12200

Maximum capacity feed system



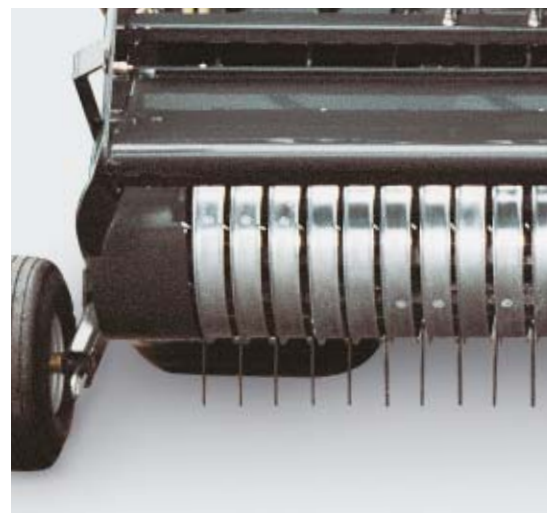
Integrated feed technology for the best possible flow

Vicon opted for an integrated feed system to ensure optimum feed under all conditions. The material that comes from the wide pick-up must be narrowed to the maximum width of the bale chamber. Vicon uses large diameter augers combined with the pick-up rotor. This not only saves maintenance-sensitive drives, but also increases the flow capacity. This makes the flow more constant and enables the packer to fill the bale chamber more evenly.

A unique pick-up that delivers optimum performance under all conditions

To provide you with a pick-up that delivers optimum performance under all conditions, Vicon offers pick-ups in various versions.

- A large pickup working width - LB 12200 2.30 m and LB 8200 2.10 m
- A smaller pickup diameter guarantees proper feed even in the most fragmented straw.



LB 8200-12200

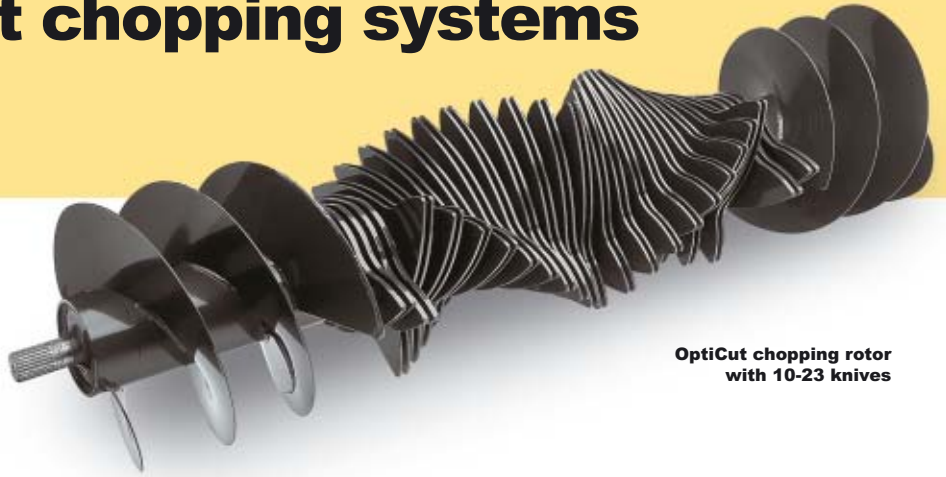
Vicon OptiCut chopping systems lead the way

Vicon OptiCut chopping systems have been leading the way for many years now. Vicon not only offers a wide choice of options, but also has the widest experience with chopping systems in all types of balers.

All chopper units have individually protected spring-supported knives that can be set dependent on the conditions and the client's wishes, from intensive to standard chop, allowing bales to be made to suit all requirements.

Cutting knives operated from the tractor cab

If the feed system is blocked, the knives are automatically withdrawn until the blockage has been removed. When the feed opening is free again, the knives are automatically re-set to the cutting position.



OptiCut chopping rotor with 10-23 knives

OptiCut 23 with HydroProtect - the ultimate in knife protection

Knives are individually protected against foreign objects by a dual circuit hydraulic system with twin accumulators. Any obstruction simply pushes the affected knife to its retracted position, with the accumulator restoring the knife to its working position as the obstruction passes. Where crop chopping is required, the

operator can choose to engage all 23 knives or can select alternate banks of 11 or 12 knives, so that in difficult conditions one half of the set can be used in the morning and the other half in the afternoon, maintaining chop quality throughout a long days work.



Optimal performance in all conditions

For heavy crops or lumpy matted swaths, Vicon's integral auger technology offers a high intake capacity. The large diameter augers, combined with rotor tines arranged

in a helix pattern, improve the way dense, wet grass or heavy, tangled straw is cleared from the pickup, giving optimal performance in all conditions.



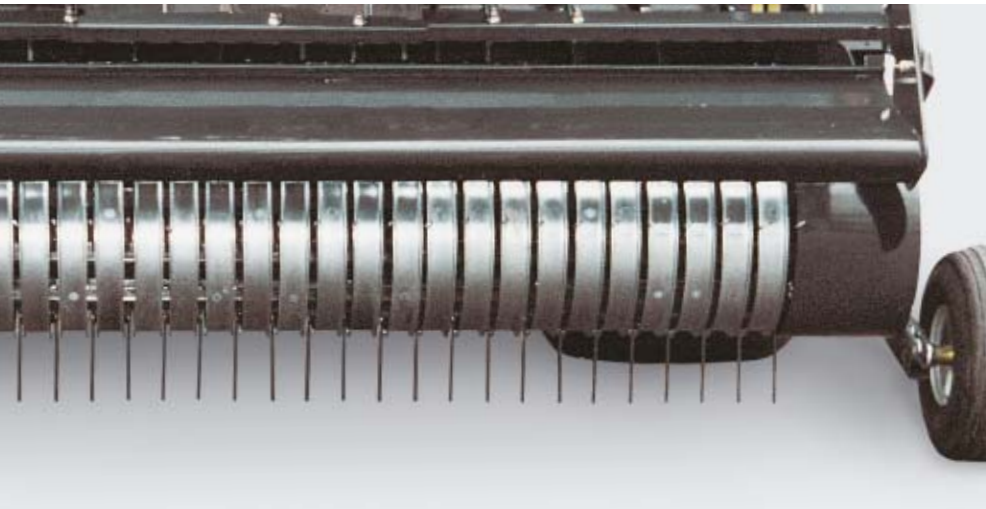
HydroProtect knife protection



23-knife chop



OptiCut pre-chopping system





LB 8200-12200

Non-stop baling for maximum output



Torque limiter on packer drive

The LB 8200 and the LB 12200 feature a unique fully automatic protection system for all vital parts in the event of an overload. When the overload situation has been resolved, the feed system automatically returns to operational state.

Fully automatic protection system

The main drive is protected by a slip clutch that levels out power peaks and two cam type torque limiters that are automatically activated in case of an overload. They are located as close as possible to the components they protect, including the feeder fork, rotor and pick-up.

No more time wasted replacing shearbolts, as they have been completely eliminated from the main drivelines. When a cam clutch is activated the intake of crop is stopped. The clutch re-engages when the operator reduces tractor PTO speed. The feeder system then works at low speed to clear the blockage automatically, before normal operation resumes.



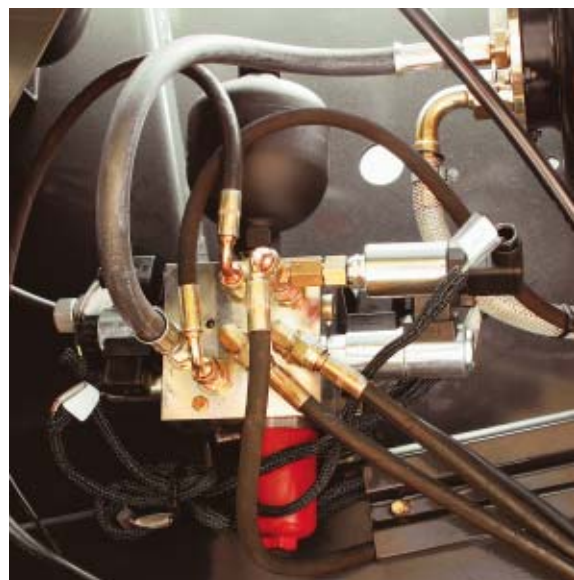
Slip clutch on main drive

LB 8200-12200

Optimum compression power



Large diameter externally mounted plunger drive rollers



3 m long bale chamber

High efficiency plunger

The plunger is driven directly from the main drive gear box. The drive is transmitted by two crank shafts and two conrods which ensure even loading on the plunger. The plunger is supported by the extra large guide rollers,

which run on hardened rails, resulting in minimum friction and minimum wear. In addition, the guide rollers are placed at the easily accessible outside of the bale chamber, greatly reducing the risk of fouling and damage.

Optimum compression power

The use of a 3 m long bale chamber results in an even denser bale. The bale is still fully in the bale chamber during tying, which prevents unwanted expansion. This way the bale is tied at maximum density and retains its shape and firmness.

Homogenous bale density

Three or four individual pressure cylinders on the bale chamber ensure a homogeneous bale density. These cylinders are controlled by a fully independent hydraulic system.

The required oil pressure is obtained from a large capacity pump on the main drive gearbox.

LB 8200-12200

Optimum ease of operation and control



AutoForm performance monitor

AutoForm's main function is maximising baling capacity with minimum operator input. AutoForm fully automatically controls the preset baling pressure. The baling pressure is monitored continuously and is automatically kept at the maximum feasible level. This results in perfectly compacted homogeneous bales.

The display continuously shows the following information:

- Hydraulic pressure level in baling system.
- Tension level in the machine during baling.
- Extensive information on the baling process.



LB 8200-12200

Heavy duty drive

Always the right drawbar height

The standard, reversible high-low drawbar has been developed for use on all tractors. The construction guarantees good swath clearance in all positions.

Heavy duty drive

Primary drive by heavy duty pto shaft with an intermediate bearing in the middle. Connection to the tractor is through a wide-angle joint, which allows sharp turns to be made without placing the driveline under stress. In addition, the main drive is protected with a cam overload coupling and it has an overrun facility.

Super rugged driveline

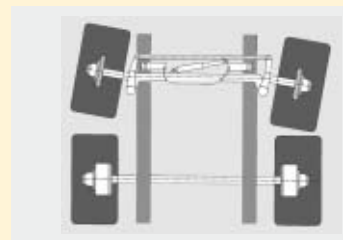
The advantages:

- With the overdimensioned Vicon drive, huge capacity and bale density can be obtained without any problem, directly contributing to the baler's outstanding efficiency.
- Optimum baling performance under all conditions and with all materials.
- Strong design resulting in lower maintenance requirement.

A large flywheel is mounted on the primary side of the main drive gearbox, guaranteeing a regular plunger stroke force. This flywheel levels out peak loads in the baling process, which leads to a higher capacity. All further drives are driven from the continuously lubricated main drive and the forces within the gearbox are distributed perfectly over the various drives. While the lower section of the main gearbox drives the feed system, the pick-up rotor and the packer, simultaneously the upper part of the same oil-filled gearbox takes drive via a shaft to the knotters. All these drives are operated with low-maintenance systems that only require periodic service.



Independently sprung tandem axles



Steering tandem axle

Smooth road transport and minimal ground compaction in the field

A choice of single or tandem axle, equipped with standard or flotation (LB 12200) tyres enables Vicon LB balers to be adapted to all operating requirements. For difficult conditions it is also possible to specify fixed or steered tandem axles with a range of low ground pressure tyres.



LB 8200-12200

Reliable tying

Easy access to needle drive



Four (LB 8200) or six (LB 12200) knotters guarantee perfect bale density by rapid and smooth tying. As the bale is fully in the bale chamber during tying, no bale density is lost due to unwanted expansion. The respective capacities of the twine boxes are 20 and 24 spools. If the twine is not running, this can directly be seen in the tractor cab, on the AutoForm control, by individual knotter.

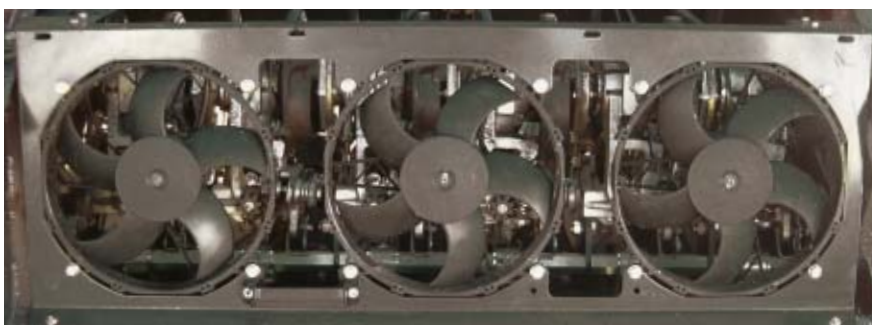
Double security knotter needles

- In the event of incorrect or disrupted tying needle synchronisation, a pull rod connected to the main drive box ensures that the needles are always pulled from the bale chamber when the plunger moves back, to prevent damage.
- In the event the needles meet an obstacle when moving up, a shear bolt in the drive arm ensures that the needles cannot be moved in.



Easy access

With pivoting twine boxes the needle frame and drivelines are very easily accessible for monitoring and maintenance.



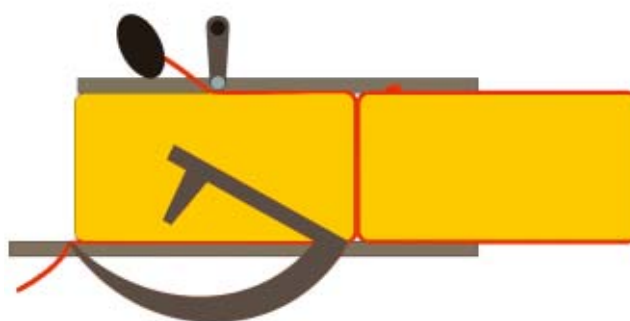
Self cleaning knotter fans

Knotter cleaning fans

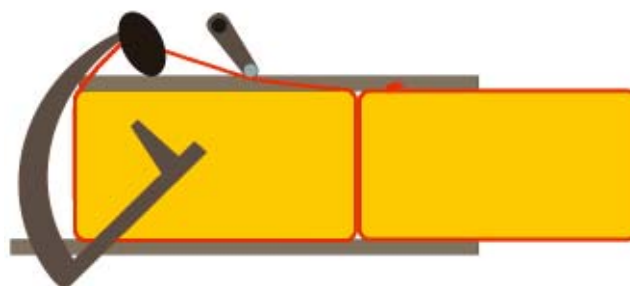
Automatic reversing knotter cleaning fans keep the knotters clean in dusty conditions.

Twine release

A unique twine release system (option) maintains tension on the twine but, as the bale hook rotates it releases a small amount of twine, thus reducing load on the knotter and ensuring reliable knotting with even the highest density bales.



Twine release during baling



Twine release during binding

Technical specifications

	LB 8200	LB 8200 OC	LB 12200	LB 12200 OC-23
Bale dimensions				
Width (cm)	80	80	120	120
Height (cm)	70/80	70/80	70/80	70/80
Length (adjustable) (m)	from 0.60 to 3.00	from 0.60 to 3.00	from 0.60 to 3.00	from 0.60 to 3.00
Pick-Up				
Intake width (m)	2.10	2.10	2.30	2.30
Pick-up diameter (cm)	32	32	32	32
Number of tine bars	4	4	5	5
Tine spacing (mm)	61	61	61	61
Bale chamber				
Number of plunger strokes	46/min	46/min	46/min	46/min
Plunger stroke (cm)	69.5	69.5	69.5	69.5
Pressure control	3 hydr. cylinders	3 hydr. cylinders	4 hydr. cylinders	4 hydr. cylinders
Setting bale density	AutoForm	AutoForm	AutoForm	AutoForm
Bale chamber length (m)	3.00	3.00	3.00	3.00
Tying system				
Number of knotters	4	4	6	6
Twine capacity	20	20	24	24
Needle protection	shearbolt and secondary protection	shearbolt and secondary protection	shearbolt and secondary protection	shearbolt and secondary protection
Intake system				
Intake system	rotor	rotor	rotor	rotor
Knives/cutting length (cm)	-	10/7	-	23/4,5
Knife protection	-	spring loaded single knife protection	-	hydraulic single knife protection
Tyres				
Single axle	500/60-22.5	500/60-22.5	500/60-22.5	500/60-22.5
Single axle (optional)	600/50-22.5	600/50-22.5	600/50-22.5	600/50-22.5
Single axle (optional)	-	-	700/40-22.5	700/40-22.5
Tandem axle fixed (optional)	500/50-17	500/50-17	500/50-17	500/50-17
Tandem axle steered (optional)	500/50-17	500/50-17	500/50-17	500/50-17
Tandem axle steered XL (opt.)	-	-	560/45-22.5	560/45-22.5
Tractor				
Minimum power requirement	68 kW (90 hp)	87 kW (115 hp)	75 kW (100 hp)	98 kW (130 hp)
Dimensions				
Length (m)	7.80	7.80	7.80	7.80
Width (m)	2.40	2.40	2.76	2.76
Height (m)	2.70	2.70	2.70	2.70
Weight				
Weight (kg)	6800	7000	8500	8750

Options



Bale ejector



Automatic greasing system



Roller crop press



Roller shute



Kverneland Group is the largest specialised producer and distributor of farming implements in the world. The Group is a family of strong brands enabling us to provide both the farmer and dealer with a unique and complete range of high quality products for soil preparation, grass harvesting, seeding, spreading, spraying, potato cultivation and grape harvesting.

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A full range of forage harvesting equipment

Vicon offers you a full range of forage harvesting equipment: drum and disc mowers and mower conditioners, tedders, rakes, fixed and variable chamber round balers, big square balers, bale wrappers, fertiliser spreaders and maize choppers.



All Vicon machines are protected by a Duracoat powder paint coating. The result is a sealed extremely hard wearing and attractive finish.

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