For Earth, For Life

Kubota

BV

KUBOTA
BV6000 SERIES

Fresh thinking is the answer to today's challenges.

The challenges facing the agricultural sector are becoming increasingly bigger. And when times are tough, only one thing helps: a new way of thinking. Envisaging alternative options and making smart decisions. For your next implement purchase, this means opting for efficiency instead of image. For an implement that can do tough work with top performance whilst under constant strain. And all that at a reasonable price. A Kubota implement is exactly the right alternative at times like these.


M7-153

BV6000: Experience the next step in round baling

Kubota BV6000 series has been designed for setting new standards in terms of efficiency and reliability, as well as serviceability and user comfort. Ease of use and reliable operation have been priorities along the overall development process, ensuring Kubota customers spend the least time carrying out maintenance, simplifying their working life as much as possible.

Bale production on a high level
The production of high quality bales is key to efficient operation. Experienced baling professionals will appreciate the well formed, dense bales. They don't just look good, but they are better to wrap, stack and transport, giving benefits all the way down the line, maximising forage quality and the feed value of valuable crops.

BV6160
Bale size:
Ø 0.90m-1.65m x 1.23 m

Different choice of intake:
EasyFeed (efficiency)
PowerFeed (performance)
ChopFeed 15 (cutting 70mm)

BV6190
Bale size:
Ø 0.90m-1.85m x 1.23 m

Different choice of intake:
EasyFeed (efficiency)
PowerFeed (performance)
ChopFeed 15 (cutting 70mm)


Kubota
BVe160
Kubota
Kubota

Efficient transmission

In todays world no-one can afford downtime. In a busy baling season timeliness is everything. To guarantee the lowest possible running costs, the Kubota engineering team have boosted durability to new levels.

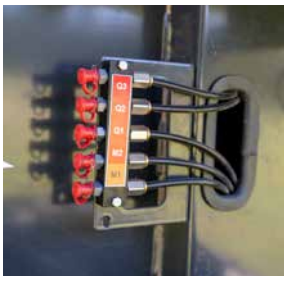
High specification combined with simple maintenance
Time is money – and less time spent on daily maintenance means more time for baling. The intake rotor and all bale chamber drives are equipped with heavy duty 1¼" pitch chains.

Long-life 'HBC' rated chains are specified and are all equipped with a spring - loaded tensioner with handy gauge plate, allowing you to see at a glance if any adjustment is required. Joiner links on chains are also colour marked for easy identification at a later date.

Keep your equipment running smoothly - day or night. With the optional working light kit, nighttime maintenance becomes simple.

Rotor chain transmission with 1¼" pitch chains.

No tight curves and big sprockets contribute to an efficient power transmission and a long components life time.



Each bearing is clearly marked from the greasing bank making the maintenance simple.

External bearings are reducing the service time to the minimum.

The chain tension are easy to check thanks to the check gauge.

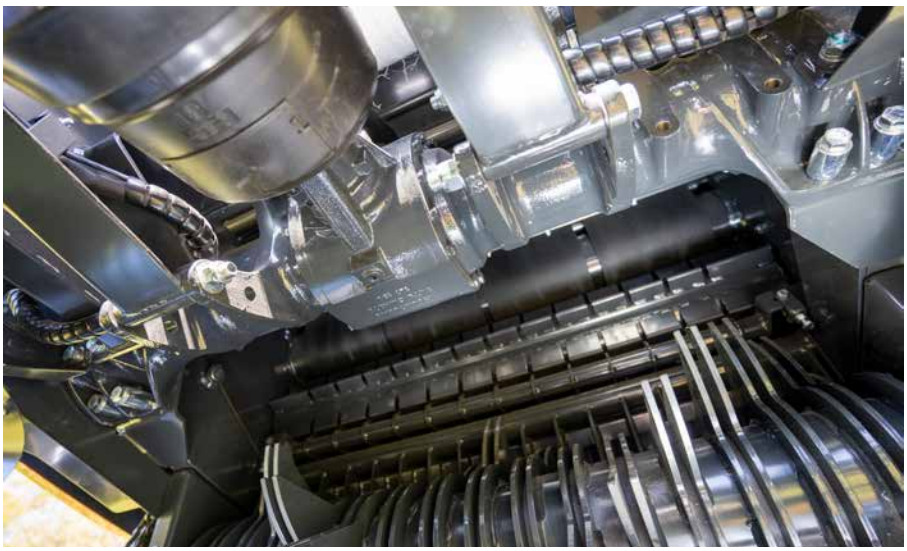
Automatic chain lubrication is standard.

Automatic chain lubrication with individually adjustable outlets.

Large capacity chain lube tank.

Integrated gearbox

BV6000 Series features a one-piece integrated input gearbox, which also incorporates drawbar and parking stand mountings. Drive to the rotor and bale chamber are split, balancing out torque loadings, while separate output shafts and bearings are eliminated. Perfect alignment and distribution of loads is guaranteed – your assurance of long term reliability.



Integrated one piece main gearbox.

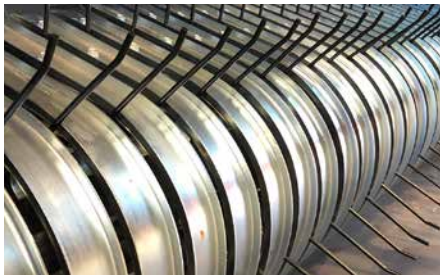
Clean raking performance in all crops

High capacity pick-up
Assured handling of the widest swaths with BV6000's super wide 2.3m working width pick-up. Despite its class-leading working width, the transport width remains narrower than its rivals due to an innovative internal drive system – there's no need to remove or fold the guide wheels prior to road transport, making your life easier and reducing downtime.

The low profile reel effectively gets under the shortest crops, while five rows of closely spaced tines provide clean raking even in the toughest working conditions. Long tines in combination with new wider strippers allow for even more effective ground cleaning and higher life time.

2.3m extra wide pick-up
- Five tine bars with 34 tines per bar and close 60mm tine spacing.
- Each tine bar is supported by four ball bearings along its length.
- Twin easy access cam tracks located at both ends of the pick-up.
- Large diameter roller crop press for increased intake speeds.
- Innovative inboard driveline design for reduced transport width.
- Robust ¾" spec HBC drive chains

2.0m pick-up (EasyFeed intake)
- Four tine bars each supported on three ball bearings
- Close 60mm tine spacing
- Innovative inboard driveline design for reduced transport width
- Roller crop press for efficient crop flow
- Robust ¾" HBC spec drive chains



Galvanized strippers.

Hydraulic pick-up lift with integrated suspension system for accurate ground following.

Generous flotation tyres with simple height adjustment.

Compact internal drive system

The BV6000 pick-up features a patented internal drive system. This offers multiple advantages compared to conventional systems:
- Overall width is reduced as the drive sprocket is contained within the guide flares, so manoeuvrability is improved and risk of pick-up wheels interferance with side obstacles is reduced.
- The twin cam tracks are located on the outside of the pick-up frame, allowing for easy access to both the cam itself and the cam follower bearings.
- The large diameter drive sprocket results in reduced wear potential compared to externally separated mounted sprockets.
- There is no 'dead area' at the outside of the pick-up to potentially restrict crop flow.
- The crop centralizing augers are driven on the same principle than pick-up transmission, using the internal drive chains. Pick-up sides are clean of any carters and transmission, avoiding any crop pollution and risk of mechanical damages, while maintenance is reduced to the very minimum.

Superb intake capacity: superior performances

Large intake rotor provides massive capacity to cope with the toughest harvest conditions. Tines are arranged in a double helix which reduces peak loads. The resulting boost in performance is especially useful when working in heavy first cut crops.

ChopFeed 15

EasyFeed intake system.

EasyFeed, smooth crop handling
EasyFeed rotary intake system with excellent intake capacity and gentle crop handling. This technology incorporates integrated augers and rotor design, allowing the crop to flow across the entire width of the bale chamber, resulting in high capacity and excellent bale shape.

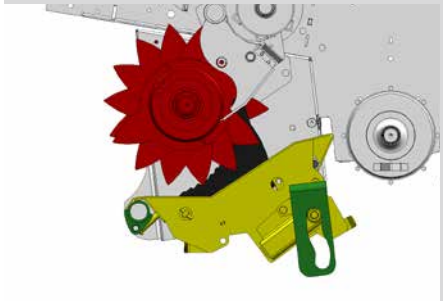
PowerFeed intake rotor.

PowerFeed rotor intake for ultimate capacity
The Kubota PowerFeed intake rotor increases feed capacity, handling both wet and dry crops in all conditions. The PowerFeed rotor with its 14 fully guided rotor tines forces crop into the bale chamber for increased intake speeds and instant bale rotation. The layout of the floor is also studied for the smoothest crop flow ever, reducing the load peaks on the intake for less stress on transmission and lower rotor blockages risk.

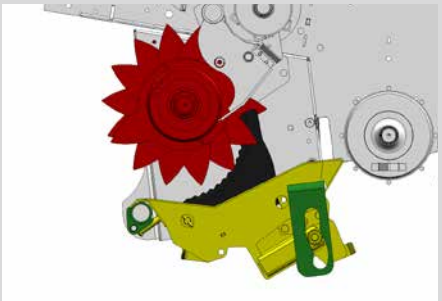
ChopFeed 15 chopping system for optimal cutting performance
ChopFeed 15 knife pre-chopping system provides higher efficiency and improved crop flow into the baler. Specially profiled knives have been developed to give a consistent chop length with a low power requirement. With a chop length of 70mm, it is the ideal solution for producing tight dense bales, which result in improved fermentation, easier feeding mixers use of the bales and less crop waste.

Individual knife protection
On the ChopFeed 15 each knife is individually spring protected against foreign obstacles, giving a higher level of protection than systems that protect only the complete knife bank. In the event of contact with an object such as a stone, the knife will be deflected. When the obstacle has passed, the knife automatically resets. The possibility to work with or without knives can be selected from the comfort of the tractor seat, with the monitor showing the status of the knives at all times.

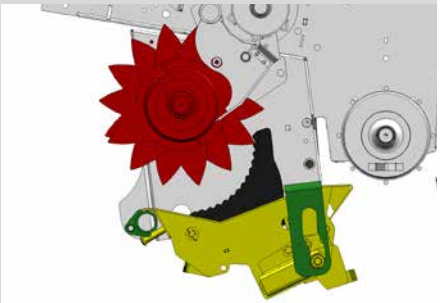
Parallelogram DropFloor system for faster unblocking
The PowerFeed and ChopFeed 15 intake systems are equipped with the super effective Kubota Parallelogram drop floor system, which brings faster and easier clearing of blockages. The system not only lowers the rear edge of the drop floor as per traditional systems, but also lowers the front section of the floor, where a blockage is more likely to occur.



Drop Floor in working position.



Drop Floor in mid position.



Drop Floor in fully lowered position.

Easier removal of all blockage types = More productive time spent baling

Bale production at a new level!

The defining feature of BV6160 and BV6190 balers is their ability to produce bales of unrivalled quality in all crop conditions. Efficiency and performance are unmatched, while smart 'Intelligent density' allows bales to be tailored to perfectly match all customer's requirements.

Leader in bale quality and output
Designed for professional use in demanding conditions, the bale chamber of the Kubota BV6160 and BV6190 models is designed for multi crop use, and is equally at home in silage, hay and straw.

Well engineered bale chamber
A combination of three rollers and four endless belts provide smooth bale rotation and minimal crop losses, even when working in dry brittle straw.

Hydraulic belt tensioner and fast tailgate operation place the BV6000 series in the top list of most efficient round balers in the market.

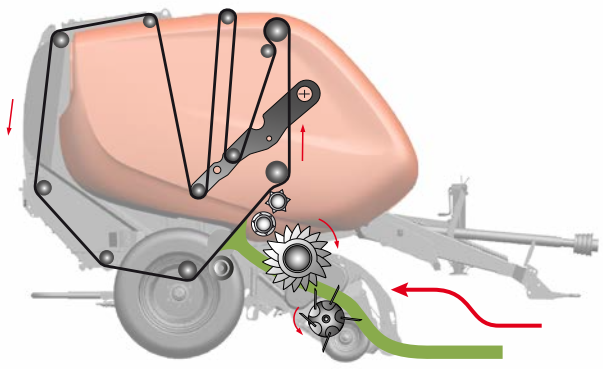
The hydraulic loaded belt tensioner allows a fast tailgate closing for high output.

The BV6160 and BV6190 are fitted with four durable endless belts offering smooth running and low maintenance.

Spiral profile scrapper roller for efficient cleaning effect in all condition.

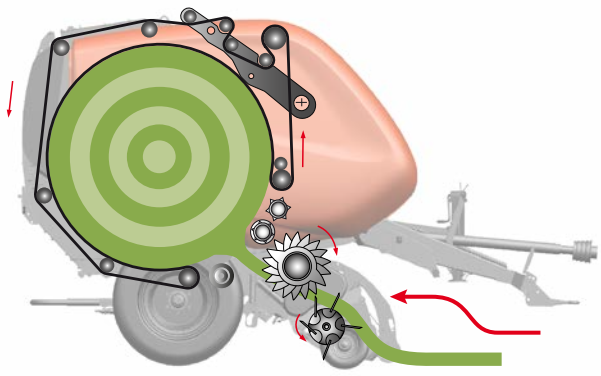
Profiled rollers provide instant bale formation and are equipped with self cleaning scrapers designed for working in all crop conditions.

1



1. Specially profiled lower front rollers ensure instant bale starting in all crops and are constantly cleaned by a spiral scrapper roller to perform well in all conditions.

2

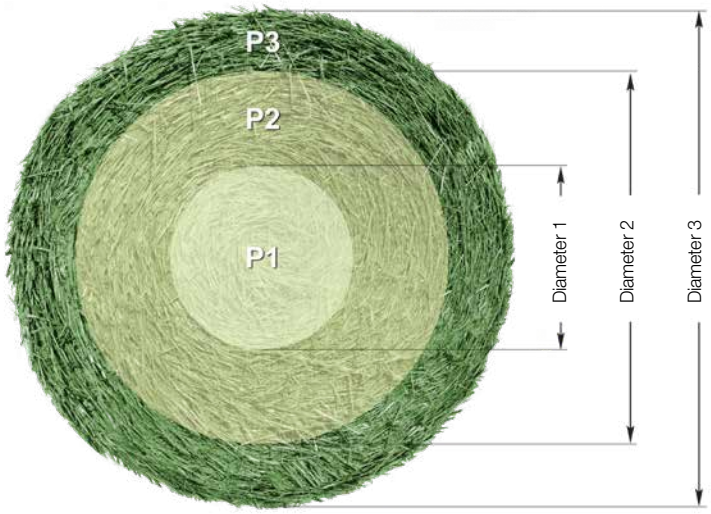


2. A high density bale with a smaller core is produced. Straw bales are more tolerant to poor weather conditions and silage bales maintain their shape better for improved stacking and easier handling.

#Intelligent Density 3D

Pre-selection of bale density for each zone of the bale: core, mid and edge.

Diameter (D) and pressure (P) can be adjusted in three stages using the control terminal.



Intelligent Density 3D: the smartest way to perfect bales

Accurate control of baling pressure is essential to achieve correct bale density. Every crop is different and with Kubota Intelligent Density 3D you can be sure to obtain the best possible end result – optimum feed quality for your livestock!

Intelligent Baling
Intelligent Density 3D gives you three pre-selectable options for straw, hay and silage all easily set from the control box.

It is also possible to customize the bale density yourself. Three separate zones, each with a choice of diameter and pressure let you set the best strategy, so that bale structure is perfectly matched to your requirements.

With three pre-selectable bale density settings **Intelligent Density 3D** makes it very easy to choose the correct bale density in different crops.

Baling dry straw and want the heaviest bales possible? Maximum pressure is set in every zone.

Baling hay? Soft centre core to let the bale breath is set, with gradually increasing pressure towards the outer layer.

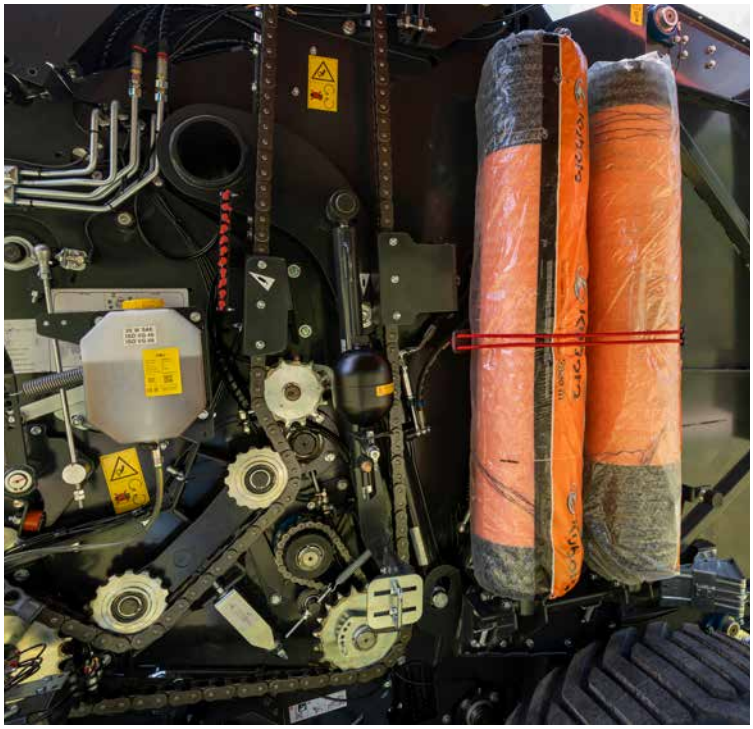
Baling wet silage? Pressure is reduced in the centre and mid zones.

Fast acting – High comfort

With a Kubota BV6000 baler you're sure to leave a field of great looking bales. Kubota's PowerBind net and twine systems ensure neat, tightly wrapped bales. Fast acting net cycle - Kubota BV6000 balers are equipped with the innovative front mounted PowerBind net system. PowerBind eliminates troublesome feed rollers and has market leading cycle time.

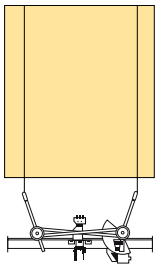
Minimum time stationary – maximum time baling
The net is continuously retained in the PowerBind injection arm. When the bale is complete net is fed directly onto the bale in a flat movement angle keeping the net tight at all times, providing accurate and extremely reliable net injection, without influence from wind or crop build-up.

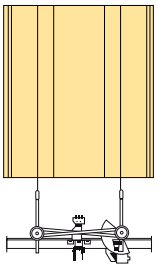
Low net loading height
PowerBind offers very low loading height for maximum convenience and time saving. To replace the empty roll just swing out the shaft and slide on a new roll.

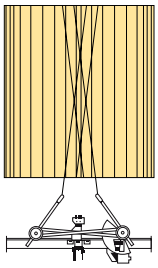


The vertical net roll storage gives an easy access to the transmission of the baler.

The smart net roll storage allows a comfortable horizontal loading.







Twine tying
Automatic twine tying with the fast acting double tube system means simultaneous binding of both edges of the bale, reducing binding time to a minimum. Over crossing of twines in the centre of the bale provides no loose ends at the end of the binding cycle. The system is fully user programmable to make sure you make the best looking bales in all crop conditions.

The PowerBind net wrap system allows the net to extend past the edge of the bale.

Storage for up to six balls of twine.

The very low loading height and the very easy threading of the system means minimum downtime and maximum time baling.

Bale after bale high quality net coverage.

Easy to use control systems: setting and control in comfort

BV6000 Series variable balers feature a simple to use control system designed to make long working days as relaxing as possible. Clear colour screen displays with simple graphics show baling information at a glance, with all settings made from the comfort of the tractor seat.

Focus 3 terminal.

Focus 3
Designed for easy operation with the following functions operated from the terminal:

- Bale diameter adjustment
- Display of current bale diameter
- Left & Right driving indication
- Selection of net or twine tying
- Net and twine quantity adjustment
- Tying information during tying cycle
- Selection of manual or automatic tying
- Five daily bale counters & total bale counter
- Bale density adjustment
- Selection of knives, drop floor or pick-up (when present)

Did you know?

Did you know that Kubota is an ISOBUS pioneer? The Kubota company Kverneland Group invented ISOBUS technology. And incidentally: Kubota is also leading the industry in AEF certified ISOBUS compatibilities

ISOBUS (option)
All models can be optionally specified with full ISOBUS compatibility for direct connection to an ISOBUS tractor, enabling the baler to work through the tractor terminal. In addition to direct connection to the tractor, ISO specified machines can also be supplied with either Tellus 700 or Tellus 1200 touch screen terminals.

Tellus 700* – Your New ISOBUS Terminal
The Tellus 700 offers a feature-rich experience tailored to each user, with precise guidance, single customizable screen, and seamless hardware-software integration. Equipped with the newest technology, it ensures optimal performance across a wide range of equipment.

Always Connected
Kubota Sync ensures seamless connectivity to online services, with smooth data transfer to IsoMatch FarmCentre and Kubota ServiceCentre. Machine tracking, performance reporting, remote service, and enhanced safety are just a few of the benefits that Kubota Sync delivers.

Tellus 1200*
The new Tellus 1200 offers connectivity for ISOBUS implements, providing features like map display, manual guidance, boundaries, and overhead view. It offers extra assistance with up to four fully customizable touch screens designed for clear viewing during long days in the field.

(*) These fully ISO terminals can be fitted on variable chamber balers, provided units are factory ordered with ISOBUS compatibility option.

AUX Compatibility
All our models equipped with ISOBUS are compatible with the ISOBUS AUX. All the fonction can be assigned to tractor ISOBUS joystick or the IsoMatch Grip joystick.

Did you know?

Gonshiro Kubota founded the company because he could no longer stand to see people dying from contaminated drinking water. He began by manufacturing products for clean water supply. Since then, we have been offering various products that help to improve the living conditions of people and society. That's what "For Earth, For Life" stands for.

Moisture measurement
For added operating convenience the TechnoPack gives continuous real time readout of crop moisture level during baling. During the binding cycle the average moisture content for the completed bale is displayed

TechnoPack*: get to know more about your bale

The optional TechnoPack offers professional farmers and contractors the optimum solution in terms of crop harvesting management.

TechnoPack
The moisture level of crop entering the bale chamber during the baling process is continuously measured and displayed on the baler terminal.

A sensor plate is mounted in the lower part of the bale chamber, from which the system calculates the percentage of moisture inside the bale.

The system is able to detect moisture levels up to 50% allowing the driver to decide at any time if crops such as hay or straw are fit to bale - your assurance of always preserving the best possible forage quality.

Bale ramp sensor
Also included in the TechnoPack is a bale ramp sensor which gives a signal when the discharged bale is clear of the bale ramp.


Moisture sensor located inside the bale chamber.


Bale ramp sensor.

* Optional equipment.

TIM Baler*: The implement controls the tractor

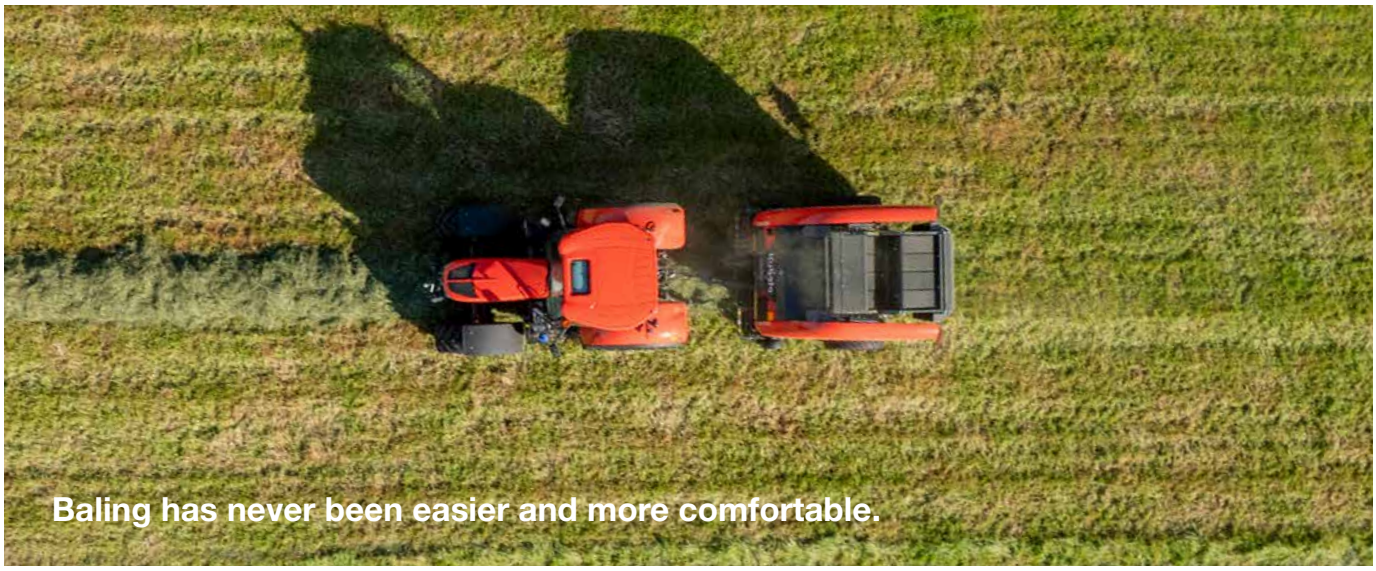
Fewer actions during baling

1. Press the accelerator pedal
2. Steer along the windrow
3. Depress the brake pedal
4. Binding starts
5. Reduce engine speed
6. Actuate auxiliary valve (extend)

Process sequence for standard operation: 10 steps per bale

1. Press the accelerator pedal
2. Steer along the windrow

TIM Baler process sequence with driving speed set by the TIM server: **2 steps per bale**



TIM (Tractor Implement Management)
TIM is a cross-product and cross manufacturer ISOBUS solution for the agricultural machinery industry whereby the implement is able to control certain tractor functions.

Baling is one of the jobs that requires the greatest number of actions from the operator. A BV6000 Series round baler specified with TIM option handles most of these tasks itself. As a result, it not only provides a significant gain in comfort and efficiency, but also ensures consistently high bale quality.

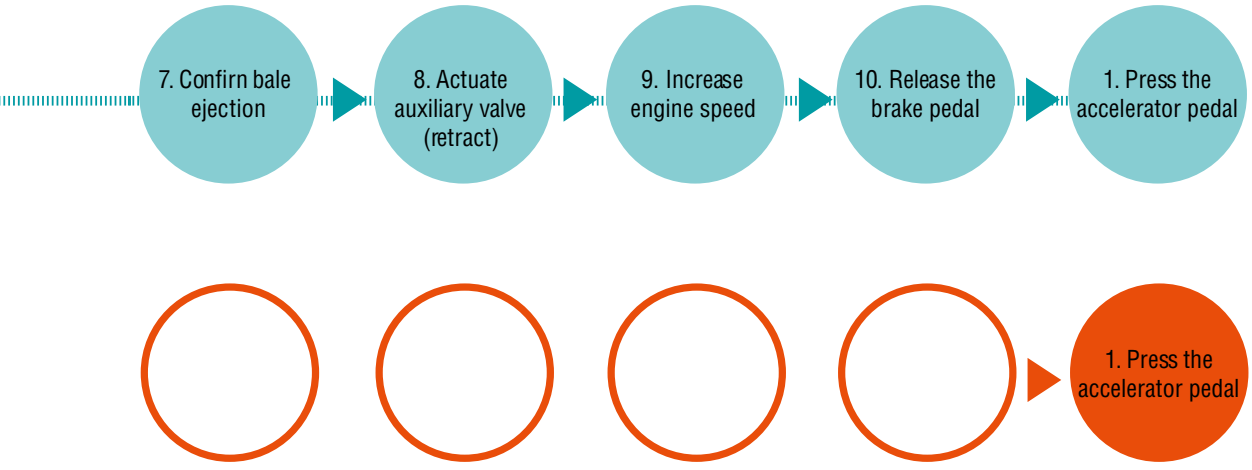
* Optional equipment

Key advantages in baling
The TIM system really comes into its own in baling operations where the working windows are often narrow due to weather conditions. The work is completed more quickly and with a higher bale quality.

Contractors and large farms in particular benefit from the user-friendliness of the TIM technology, which can be quickly mastered by different operators. The cost aspect is another factor to bear in mind. Highly efficient use of a TIM equipped baler results in lower costs for parts that wear out, fuel, tyres and so on.

Enormous savings in work steps
If the operator is inexperienced or tired, bale quality and output suffer. With the help of TIM technology, the baler can perform a number of actions for the driver, meaning a significant increase in comfort. For every 100 bales, TIM can save up to 800 operations.

Because the baler opens the tailgate as soon as the bale is tied, this also increases efficiency, especially when the operator is tired. If the system detects a completed bale is ready to be released on a slope the driver is alerted and automatic bale release is paused. The operator can override the automatic process at any time during baling.



All great features at a glance

Intelligent Density 3D system
Unique easy to operate.

High density bales
Smart density system.

Integrated LED road light
Smart chock protected modern look.

TIM features
High degree of automation.

PowerBind
Low roll loading height and fast acting system.

Direct and low maintenance driveline
Low cost of ownership.

Bale ejection, humidity controls
Smart operation.

DropFloor
Efficient blockage clearance with parallelogram action.

520mm diameter rotor
High capacity.

ChopFeed 15
ChopFeed 15 knives with individual knife protection.

Pick-up
2.30m large working width pick-up.

Kubota Farm Solutions

360º performance for 100% success

We understand that you need more than a powerful tractor to succeed: namely, an integrated system of products and services to increase your competitiveness and preparation for the future. With Kubota Farm Solutions, we have brought together our solutions in a system – and targeted our proposition to you. From intelligent technology to individual services, the Kubota Farm Solutions advantages complement each other, forming a circle that ends where it begins: with our commitment to support you a little better every time, now and in the future.

Technical data

Model		BV6160 EF	BV6160 PF	BV6160 CF15	BV6190 EF	BV6190 PF	BV6190 CF15
Weight and dimensions							
Length	(m)	4.590	4.590	4.590	4.590	4.590	4.590
Width	(m)	2.520	2.520	2.520	2.520	2.520	2.520
Height	(m)	2.780	2.780	2.780	2.780	2.780	2.780
Weight	(kg)	3300	3600	3850	3500	3800	4050
Bale Dimension							
Ch. technology		4 endless belts	4 endless belts	4 endless belts	4 endless belts	4 endless belts	4 endless belts
Diameter min. / max.	(m)	0.90 / 1.65	0.90 / 1.65	0.90 / 1.65	0.90 / 1.85	0.90 / 1.85	0.90 / 1.85
Width	(m)	1.23	1.23	1.23	1.23	1.23	1.23
Tear drop plate		o	●	●	o	●	●
Pick-up							
Working width	(m)	2.00	2.30	2.30	2.00	2.30	2.30
Tine to tine width	(m)	1.62	1.98	1.98	1.62	1.98	1.98
Tine rows	(nb)	4	5	5	4	5	5
Tines per row	(nb)	28	34	34	28	34	34
Tine spacing	(mm)	60	60	60	60	60	60
Roller crop press		●	●	●	●	●	●
Cam clutch protection		●	●	●	●	●	●
2 Pneumatic gauge wheels		●	●	●	●	●	●
Intake							
EasyFeed open throat		●	-	-	●	-	-
PowerFeed rotor		-	●	-	-	●	-
ChopFeed 15 knives		-	-	●	-	-	●
Single knife protection		-	-	●	-	-	●
Parallelogram DropFloor		-	●	●	-	●	●
Driveline							
Integrated one piece gearbox		●	●	●	●	●	●
Main drive protection		Cam Clutch	Cam Clutch	Cam Clutch	Cam Clutch	Cam Clutch	Cam Clutch
Main drive chains		HBC 1 ¼"	HBC 1 ¼"	HBC 1 ¼"	HBC 1 ¼"	HBC 1 ¼"	HBC 1 ¼"
Automatic chain lubrication system		●	●	●	●	●	●
Centralized greasing system		●	●	●	●	●	●
Belts double drive rollers		-	●	●	-	●	●
PowerBind binding systems							
Net (storage)		1+2 rolls	1+2 rolls	1+2 rolls	1+2 rolls	1+2 rolls	1+2 rolls
Net & Twine (storage)		1+2 rolls/ 6 balls	1+2 rolls/ 6 balls	1+2 rolls/ 6 balls	1+2 rolls/ 6 balls	1+2 rolls/ 6 balls	1+2 rolls/ 6 balls
Electronics & controls							
Non Isobus controls		Focus III terminal	Focus III terminal	Focus III terminal	Focus III terminal	Focus III terminal	Focus III terminal
Isobus compatibility		o	o	o	o	o	o
IsoMatch terminals		Tellus 700/ Tellus 1200	Tellus 700/ Tellus 1200	Tellus 700/ Tellus 1200	Tellus 700/ Tellus 1200	Tellus 700/ Tellus 1200	Tellus 700/ Tellus 1200
Chamber filling indicators		●	●	●	●	●	●
TechnoPack bale eject. & humidity indicators		o	o	o	o	o	o
TIM compatibility		o	o	o	o	o	o
Wheels and Axles							
15.0/55-17		●	●	●	●	●	●
500/50-17		o	o	o	o	o	o
550/45-22.5		o	o	o	o	o	o
Air brakes		o	o	o	o	o	o
Others							
Linkage position		Adj. drawbar (low / high)	Adj. drawbar (low / high)	Adj. drawbar (low / high)	Adj. drawbar (low / high)	Adj. drawbar (low / high)	Adj. drawbar (low / high)
PTO (rpm)	(rpm)	540	540	540	540	540	540
Bale ramp		o	o	o	o	o	o
Hydraulic outlets		1 SA 1 DA	1 SA 1 DA	1 SA 1 DA	1 SA 1 DA	1 SA 1 DA	1 SA 1 DA
Recommended tractor power	(kW/hp)	42/55	45/60	56/75	48/65	52/70	60/80

- not available o option ● standard

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. For your safety, Kubota strongly recommend the use of a seat belt in all applications.

Visit our web site at: www.kubota.co.uk

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