

QUADRANT
2200 ADVANTAGE
2100 RC

CLAAS

Power. Precision. Profit.







Harvest time: CLAAS

There's a CLAAS machine for every farm size and type, and for every harvest situation. Our machines are designed with cutting-edge, highly reliable technology to ensure perfect results for the economic production of silage, straw and hay bales in all conditions. Densely packed and securely tied, the bales stay in shape and are easy to handle and store.

You can rely on us as a partner that guarantees high performance, is dedicated to increasing your productivity, and is always ready to assist you with a comprehensive service network.

Put your trust in CLAAS.

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For decades, the CLAAS name has been synonymous with innovation in harvesting technology. The latest technology is used to give maximum impact in terms of boosting daily output and driving down harvesting costs. These machines are designed to tackle the toughest continuous operations while providing enduring reliability par excellence.

Optimum bale size

CLAAS has set new standards in the square bale market with the 47 in x 27.5 in (1.2 x 0.7 m) bale size. This shape offers the highest bale density, full trailer loads and a great bale shape. All this has made the 47 in x 27.5 in (1.2 x 0.7 m) QUADRANT bale the preferred bale size in professional straw handling. If, on the other hand, silage and hay are the main products in regions where fields are small, the QUADRANT 2100 provides an ideal bale size of 31.5 in x 27.5 in (0.8 x 0.7 m).

A unique service network.

Every QUADRANT benefits from the operational experience of thousands of machines, offering greater built-in reliability for trouble-free non-stop operation. In addition, CLAAS provides an exemplary network of dealers with service and parts support for fast help if the worse comes to the worst.

Cutting-edge technology QUADRANT style.



Cutting-edge technology

A big baler tailor-made for you – the
QUADRANT 2200 ADVANTAGE.





It just keeps on feeding – no complaints.

The QUADRANT 2200 ADVANTAGE – the name says it all.

Equipped with an extremely rugged chassis, robust bevel gears, and reliable, muscular knotters, it's instantly recognizable as the QUADRANT 2100's big sister, with a chopping rotor.

With the QUADRANT 2200 ADVANTAGE, CLAAS introduces an entirely new approach. You can equip your QUADRANT in any configuration to suit your needs!



The pressure-accumulator suspension means the pick-up travels evenly over the ground. The large caster guide wheels keep you safely on track.



To achieve a high throughput capacity, you need powerful conveyor units. The QUADRANT 2200 ADVANTAGE is the only baler without a chopping unit, but with an aggressive rotor. With its four-pronged, helical arrangement of the stars, it transfers enormous amounts of crop from the pick-up to the feed rake without interruption.

The large-pitch one-piece auger of the POWER FEEDING SYSTEM delivers the crop far down into the rotor. In this way, the crop flow is effectively evened out and accelerated, giving a significantly increased throughput.

- Capacity for high tonnage per hour
- High machine speeds are possible.
- Even flow and acceleration of the crop.
- Suitable for all windrows.



QUADRANT 2200
ADVANTAGE
Pick-up, chopping rotor
POWER FEEDING SYSTEM.

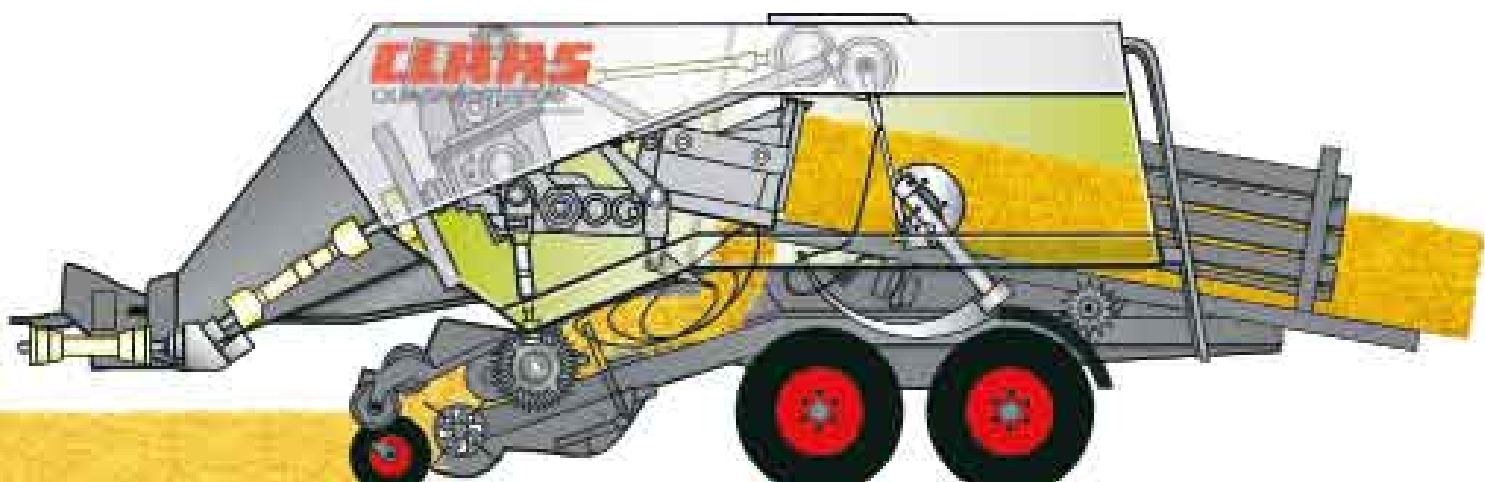


A winner: the main gearbox.

The new main gearbox gives 20% more power transfer. This both increases the machine throughput capacity, and also ensures effective power transfer. The sturdy components that typify the QUADRANT design have also been fitted to the new QUADRANT 2200 ADVANTAGE. They ensure high efficiency and a long service life.

Efficiency that is second to none.

The design ensures outstanding efficiency by transmitting all power along short, straight lines and by using a very large flywheel – that means low energy consumption per ton of crop.



Typically outstanding CLAAS quality. Whereas the QUADRANT 2200 ADVANTAGE is supplied with hydraulic oil by the oil pump at the gearbox input, the oil for the QUADRANT 2100 R/RC is supplied via the tractor hydraulics. Functions such as opening the chopper housing, and activating the roll chute or the parking jack are all hydraulically operated.





Total reliability in the field.

Trend-setting: the drive train.

- High speeds and low torques.
- Maintenance-free drives and clutches running in an oil bath.
- Maintenance-free, 3-phase, CLAAS-style feed raking.
- The minimal number of moving parts ensures maximum reliability.

Unique: the interactive safeguard feature.

The feed rake and rotor are fitted with separate, automatic overload protection features. Whenever the packer tine clutch engages, the rotor clutch is disconnected automatically. This means the QUADRANT will never be brought to a standstill by blockages. You can quickly clear crop jams from the comfort of the tractor seat.

Whenever the rotor overload clutch engages, the chopper housing folds out automatically so that the rotor can clear itself. This also eliminates damaging power peaks following a crop jam.



Maintenance-free for peace of mind. High-quality overload clutches immersed in an oil bath conveniently protect the QUADRANT against overload.

QUADRANT 2200
ADVANTAGE
Drive

Rock-hard bales with the QUADRANT.

Guaranteed high bale density.

A total of 51 ram strokes per minute have a visible effect – it's obvious that thin slices are easier to compress, guaranteeing rock-hard bales. With a chamber length of 9 ft 10 in (3.0 m) for the QUADRANT 2200 ADVANTAGE and 9 ft (2.75 m) for the QUADRANT 2100, CLAAS balers provide more frictional resistance in the bale chamber. This means super-tight bales even at high throughput rates. A major advantage, particularly when working with industrial straw.



Reliable compression.

CLAAS quality through and through. The heavy roller-mounted ram is guided securely on the hardened tracks. Special cleaners keep the contact faces clean.



An eye for detail: Automatically lubricated piston-ram rollers ensure long service life.



Higher throughput guaranteed.

A higher bale density leads to more tons produced every hour. The QUADRANT has a very large main gearbox with bevel gears to transmit the baling force onto the heavy pressure plate via two strong piston rods. Some 51 piston strokes per minute and hydraulic pressure applied from three sides ensure that the bales are evenly and highly compressed with more kilograms per cubic meter. You end up with fewer, much denser bales per hectare, which is beneficial in terms of quick field clearance and reduced storage space.

Sophisticated perfection at your fingertips.

A double-acting hydraulic ram controlled from the tractor cab places even more pressure on the crop via an eccentric cam. The high baling pressure and the perfect crop flow mean that the QUADRANT delivers evenly formed, dense rock-hard bales every time.



QUADRANT 2200
ADVANTAGE
Baling capacity



The CLAAS Medium Terminal.

Having to climb down from the cab too often not only curbs your enthusiasm for work, it also decreases your daily output. For this reason, we've made sure that you can monitor the critical settings of the QUADRANT from the comfort of the cab.

The convenient control terminal always informs you of what's going on at every stage of the harvest.

- Baling pressure display.
- Integrated bale counter informs you of the bale total achieved and the number of bales per customer.
- Error symbols for overload on feed rake and rotor, twine breakage or twine end.

The CLAAS Medium Terminal (CMT) also has additional functions, of which two are selectable:

- Moisture content sensor.
- Bale chute positioning sensor.
- Bale field deposit sensor.



You always need to know what's going on.



Always in view, at all times.

A double-acting hydraulic ram controlled from the tractor cab places even more pressure on the crop via an eccentric cam.

The large-size pressure gauge dial shows the driver the bale density at a glance.

An optical warning signal at the front of the machine indicates critical rotor and packer tine speeds or twine errors.

Every bale the length you want it.

The star wheel reliably measures the bale length and ensures uniform measurements.



QUADRANT 2200
ADVANTAGE
CLAAS Medium Terminal
Operation

The perfect knot is crucial.



The best knotter cleaning far and wide. The TURBO FAN system cleans the knotter device with a constant airflow from two turbines.



CLAAS baling twine is available to suit every baler as well as for different working conditions.

Successful.

CLAAS balers would be inconceivable without the legendary CLAAS knotter, which has made a decisive contribution to the world-wide success of CLAAS balers and ensures tight and secure knots on every QUADRANT machine.

With six knotter units on the QUADRANT 2200 ADVANTAGE (four on the QUADRANT 2100), considerably higher bale weights can be achieved. The CLAAS high-performance knotters always tie tight, perfectly positioned knots no matter what the bale density or throughput rate. A further benefit is that the knotters don't produce any dangerous leftover twine that might cause animal fatalities during feeding or leave residue when burnt for power generation.

The knotter is driven directly from the main gearbox. This ensures synchronization between the piston and needles at all times.

Efficient.

A total supply of 24 twine reels can be carried on the machine – enough for a long working day.

Economical.

CLAAS baling twine is matched to the CLAAS knotter. It resists breakage under load, and is so smooth that knotter wear is reduced to a minimum. CLAAS baling twine is a cost-effective choice for the right balance between high knot tightness and efficient running length.



The CLAAS Knotter



The new QUADRANT 2200 ADVANTAGE stands out for its ability to make rock-hard and securely tied bales, while being easy to equip and offering great value for money. It can be individually fitted to manage even the largest crop quantities.

The cost-efficient entry model or the conveniently equipped Heavy Duty baler – the choice is yours!

Three different pick-up versions neatly collect the crop – regardless of whether it's short hay, wet silage or straw:

- Pick-up with crop guard.
- Pick-up with double-roller crop press.
- Pick-up with double-roller crop press and POWER FEEDING SYSTEM.

One of three different bale chutes guides the square bale safely to the ground.

- Simple bale chute.
- Roll chute.

- Pneumatic or optional hydraulic roll chute with ejector.
- You're kept up to date about what's going on during the baling process at all times:
- Within the machine.
- Optional CLAAS Medium Terminal (CMT).

Well lubricated for a long service life.

- Manual lubrication.
- The optional manual central lubrication reliably supplies all main lubrication points, whenever you wish.
- The optional automatic and continuous central grease lubrication supplies 45 lubrication points. It's available with or without the CMT and offers a real benefit in terms of reliability and service life. Additionally, maintenance time is greatly reduced.



Crop moisture content indicator. The optional moisture sensor tells the driver about the quality of the crop being baled – valuable information which allows you to adjust the baling pressure appropriately.

Your wish – our top priority.



A range of tyres and axles are available for the greatest-possible soil protection.

- Single axle with 23.5 in (600 mm) tyres
- Single axle with 27.5 in (700 mm) tyres

Excellent operator features. The hydraulic roll chute makes your work much easier. Parking the baler is also simple with the hydraulic jack.

QUADRANT 2200
ADVANTAGE
Options



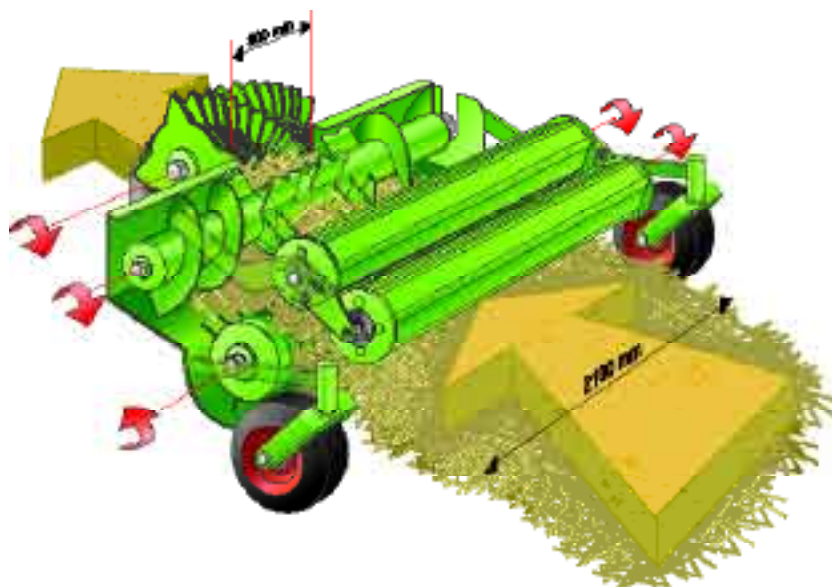
A perfect choice for hay and silage – the QUADRANT 2100 range.





With the 83 in (2.1 m) wide CLAAS premium pick-up and the POWER FEEDING SYSTEM, the QUADRANT is perfectly equipped to gather up even the widest swaths at a high working speed.

The pick-up floats absolutely evenly using hydraulic accumulator suspension, while the large, oscillating caster guide wheels keep you safely on track. Together these ensure excellent ground following and grass preservation even at high working speeds or when turning. Combined with the hydraulic suspension, the flexible design hugs the ground evenly, ensuring that the forage stays clean.



The system makes the difference.



PFS – a powerful, specialized system.

PFS stands for POWER FEEDING SYSTEM. On all QUADRANT models with PFS, a large continuous-feed auger, cushioned by shock absorbers, takes the material from the pick-up and feeds it to the 8-mm-thick rotor with aggressive paddles. The broader stars reduce the distance to the blade, improve the cutting quality even further, and deliver maximum stability and service life.

The front-mounted roller crop press compacts the crop thoroughly and boosts conveyor action of the auger.

This unique combination of roller crop press and actively powered, continuous intake auger makes your work easier, especially when it comes to uneven silage swaths. Depending on the crop, approximately 20% greater throughput is achieved by the POWER FEEDING SYSTEM.

Higher input performance. On the QUADRANT 2100 ROTO CUT, a generously sized, continuous 83 in (2100 mm) wide auger merges the crop quickly and surely across the 31.5 in (800 mm) rotor chop width.

QUADRANT 2100 RF/RC
POWER FEEDING SYSTEM.

QUADRANT 2100 ROTO CUT – a better cut for denser bales.



Perfect silage.

Energy-rich, tasty silage with optimum lactic acid fermentation is the order of the day for high milk production in the dairy herd. Three things are needed for this: short fodder, high crop density and the exclusion of oxygen. CLAAS ROTO CUT delivers chop lengths of 1.8 in (45 mm) with an outstanding chop quality.

Perfect rotation.

The pull-through chopping mechanism on the 16-blade cutting rotor (on the QUADRANT 2100 RC) is particularly energy efficient and precise. All crops are safely drawn in, cleanly cut and efficiently pre-compressed. Safeguarded by a wedge coupling working in an oil bath, the QUADRANT can safely be pushed to the performance limit.





As many blades as required.

The blade group changer, which is particularly easy to operate, provides the correct setting for every operation. Choose between 0, 8 or 16 blades on the QUADRANT 2100.

Thanks to the exclusive CLAAS swing-down chopper housing, blockages can be cleared from the comfort of the cab. Additionally, the open housing facilitates access to the blades for checking and replacement.

- The solid-construction, 16-blade chopping rotor is made of double-hardened boron steel.
- Four rows of tines for optimum forage intake.
- Aggressive blades for particularly high cutting quality.
- Precise blade guidance through dual tines arranged in a spiral configuration.
- Blade changing by groups for the right chop length.



CLAAS silage stretch film reliably protects the forage crop. High quality and reliable processing in all conditions make for cost-effective operation. CLAAS silage stretch film is available in different versions to suit your needs.



QUADRANT 2100 ROTO CUT

High quality
without
compromise.



Always the best solution – CLAAS has the right package for every operation with our broad range of country specifications and axle configurations.

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Our efficiency: second to none.

Robust components and reliable drives guarantee high efficiency and long service life even in the toughest conditions.

The design ensures outstanding efficiency by transmitting all power along short, straight lines using a very large flywheel. A very low energy consumption per ton of crop is reflected in lower fuel bills.

Setting trends: the drive train.

- High speeds and low torques.
- Maintenance-free drives and clutches running in an oil bath.
- Maintenance-free, 3-phase CLAAS-style feed raking.
- The minimal number of moving parts ensures maximum reliability.

Unique to CLAAS: the interactive safeguard feature.

The rotor is fitted with separate, automatic overload protection features, so that the machine can be safely used to full capacity with every crop. This means that the QUADRANT can never be forced to a standstill – every blockage can be conveniently cleared from the cab.

However, if the rotor overload clutch engages, the chopper housing opens up automatically so that the rotor can clear itself. This way, you eliminate damaging peak loadings in the event of a crop blockage.



Automatic lubrication. The continuous central grease lubrication at 45 lubrication points offers real benefits in terms of reliability and service life. The maintenance factor is also greatly reduced.

QUADRANT 2100 RF/RC
Drive



No more climbing down to set up the baler.

The CLAAS COMMUNICATOR, with its large, clearly laid-out display and new ISOBUS technology greatly simplifies working with the QUADRANT.

The clear layout and large display of the terminal keep you constantly informed about the operating conditions of your machine. What's more, you can change the most important configuration parameters quickly and easily. A touch of the finger is all it takes, and you have access to five menus with which you can:

- Determine the baling pressure and bale length
- Lift and lower the pick-up
- Operate the knives
- Open and close the chopper housing
- Set the baler to zero pressure
- Tie the bales manually
- Lock the tandem steering axle.

A total of 20 work-record memories record the number of bales, total strand length, the percentage of cut bales and the average bale length, recording all the data you need to keep your accounts clean and tidy.



Crop moisture content indicator. The optional moisture sensor tells the driver about the quality of the crop being baled – valuable information which allows you to adjust the baling pressure accordingly.

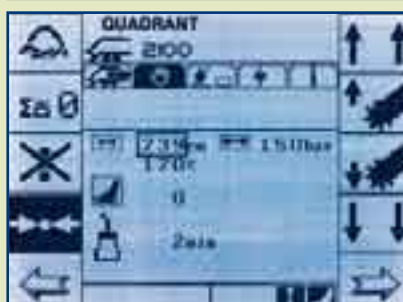


Everything in view with the CLAAS COMMUNICATOR.



Display menu:

Displays all important information during work in the field: current bale length, baling pressure, crop humidity, bale drop and much more besides.



Settings menu:

Here, for example, you can configure the bale length.



Operating menu:

Provides information about the amount of work done, such as the total number of hours, bales, etc.



On the QUADRANT 2100, the tying processes, too, are fully electronic, giving you excellent ease of operation.

The hydraulic roll chute and the hydraulically controlled jack extension for parking are two features to make your day-to-day working life easier.

QUADRANT 2100 RF/RC
CLAAS COMMUNICATOR
Easy operation



No-frills basic model.

This lightweight square baler requires a tractor output of just 100 hp (73 kW). Like the QUADRANT 2200 ADVANTAGE, however, it's fitted with a large, sturdy main gearbox, which at 51 ram strokes per minute produces tight and stable bales.

Setting the bale length.

The star wheel is situated at the lower end of the bale chamber and is used for monitoring the bale length.

A totally reliable big baler.

The spring steel tines on the 83 in (2.1 m) wide QUADRANT 2100 pick-up are arranged so closely that they will always leave the fields neatly raked. The baler is fitted with the tried and tested CLAAS feed rake, which actively feeds the crop to the baling chamber. The clearly visible pressure gauge keeps the driver informed about the bale density at all times. This makes monitoring and controlling the crop flow much easier.

With a baling channel of 31.5 in (0.8 m) in width and 27.5 in (0.7 m) in height, the QUADRANT 2100 can make brick-like square bales of up to 8 ft (2.5 m) in length to address different, individual requirements.

QUADRANT 2100 RF/RC – sturdy in hay and straw.



Clearly visible pressure gauge.
The large-size pressure-gauge dial
informs the driver of the bale density at
a glance.

Feed rake
QUADRANT 2100



If you're giving your best every day, you deserve the best service.

We provide the service.

You can rely on the professional and reliable support of the FIRST CLAAS SERVICE® team at all times. CLAAS importers and dealers provide fast spare parts supply and dependable customer service around the world.

We are there for you wherever you are.

You can always rely on us to provide you with the necessary spare parts – ORIGINAL CLAAS parts, characterized by top quality, superb function and a long service life.

Our central spare parts warehouse delivers all ORIGINAL CLAAS parts quickly and reliably all over the world. Your local CLAAS dealer is there to make sure that they reach their destination as soon as possible – wherever you may be.

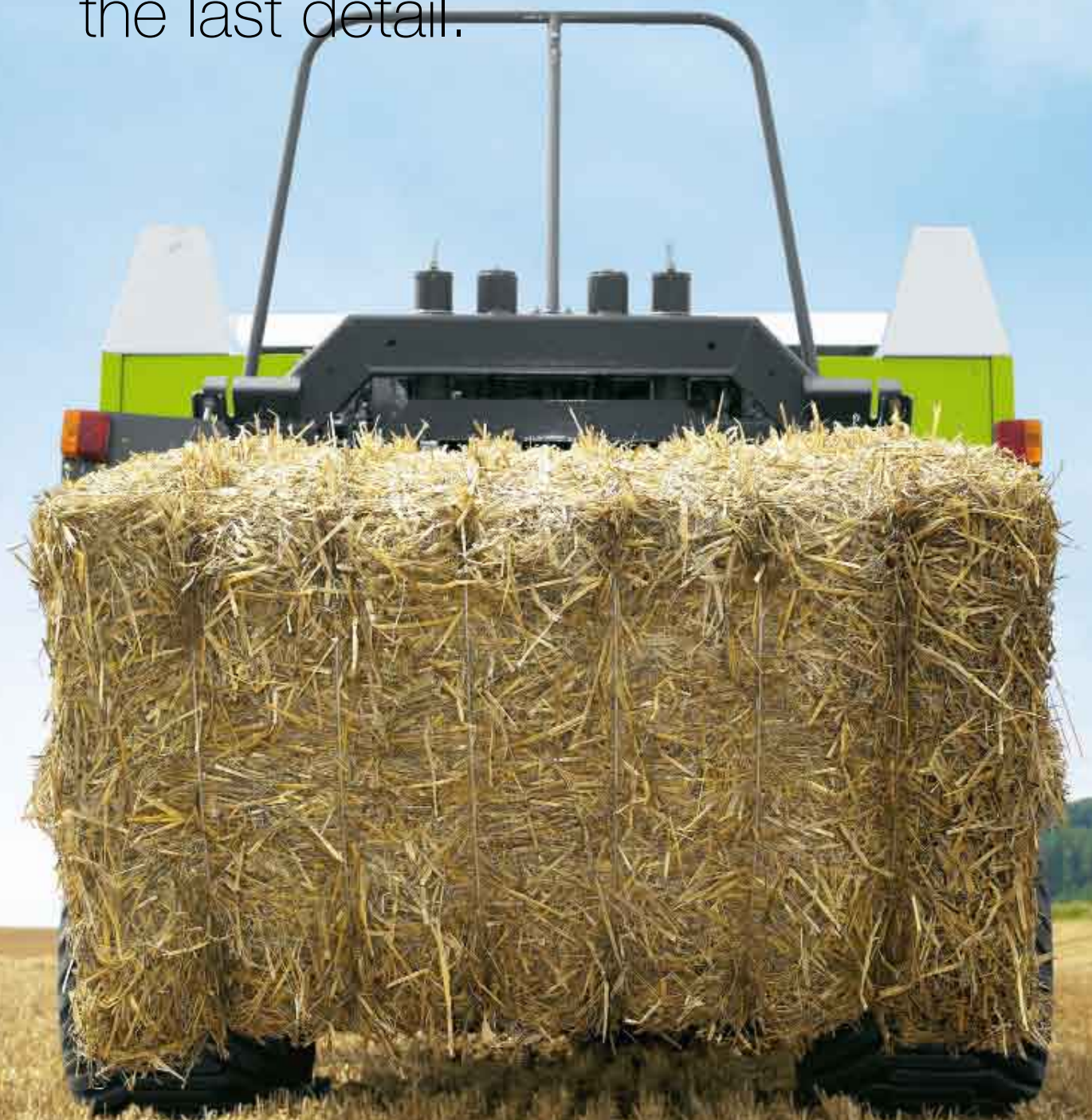
We speak the same language.

CLAAS dealers include many of the world's most efficient agricultural machinery service companies. They are highly trained and equipped with specialist tools and intimate knowledge of the workings of your farm and your expectations regarding competence and reliability.



FIRST CLAAS SERVICE®

Cutting-edge technology down to the last detail.



Compelling features.

- QUADRANT 2200 ADVANTAGE with chopping rotor for significantly higher performance
- The ideal square baler for straw, hay and silage
- 83 in (2.1 m) pick-up with double-roller crop press
- POWER FEEDING SYSTEM for maximum intake
- CLAAS ROTO CUT system with knife switching in groups (QUADRANT 2100 RC)
- 9 ft 10 in (3 m) long bale chamber with 51 massive ram strokes per minute
- Straight-line drive with outstanding efficiency
- Low energy consumption per ton of crop
- Interactive security with sequential switching for pick-up, feed rake and rotor
- CLAAS exclusive square baler feature – the fold-down chopping housing
- Plenty of muscle with six CLAAS high-performance knotters
- CLAAS Medium Terminal
- 20-inch tandem steering axle
- Constant humidity sensing in the bale chamber
- Maintenance made simple
- FIRST CLAAS SERVICE®

QUADRANT

		2200 ADVANTAGE	2100 RF / RC
Hitching			
PTO shaft speed	rpm	1000	1000
Hydraulic jack		●	●
Pick-up			
Width	in (m)	83 in (2.1 m)	83 in (2.1 m)
DIN raking width	in (m)	75 in (1.9 m)	75 in (1.9 m)
Number of tine bars		4	4
Ground tracking via two oscillating pick-up caster guide wheels		●	●
Baffle plate		●	–
Double-roller crop press		□	–
POWER FEEDING SYSTEM (PFS) with double-roller crop press		□	●
Hydraulic connection			
One double and one single-acting valve		●	–
Two single-acting valves and one open return line		–	●
Crop feed			
Rotor		Chopping rotor	Chopping rotor / ROTO CUT
Number of knives		–	– / 16
Three-phase packer tines		●	●
Bale chamber			
Ram strokes	rpm	51	51
Control terminal		Manual	COMMUNICATOR
Max. baling pressure	bar	180	150
Bale chamber dimensions			
Length	ft (m)	9 ft 10 in (3.0 m)	9 ft (2.75 m)
Width	in (m)	47 in (1.2 m)	31.5 in (0.8 m)
Height	in (m)	27.5 in (0.7 m)	27.5 in (0.7 m)
Bale length	in (m)	19.5 - 9 ft 10 in (0.5 – 3.0 m)	19.5 - 8 ft 2 in (0.5 – 2.5 m)
Control terminal			
Model		– / CMT	COMMUNICATOR
Tying			
Number of knotters		6	4
Number of twine reels in the twine box		24	24
TURBO FAN Knotter cleaning		●	●
Bale drop onto field			
Bale chute		●	–
Roll chute		□	● / –
Roll chute, hydraulic with ejector		□	□ / ●
Lubrication			
Manual lubrication		●	–
Central lubrication, manual		□	●
Central lubrication, automatic		(with or without CMT)	□

● Standard ○ Optional □ Variable

QUADRANT

	2200 ADVANTAGE	2100 RF / RC
Axle		
Single axle	●	●
Tandem axle	○	○
Steered tandem axle	–	– / ○
Tires		
Single axle 600/50 R 22.5	●	●
Tandem axle 520/50 R 17	●	●
Steered tandem axle 500/50 R 17 F+	–	– / ●
Dimensions and weights		
Width	ft (m) 8.2 - 8.4 ft (2.52 – 2.96 m)	7.6 - 8 ft (2.34 – 2.47 m)
Height	ft (m) 8.4 - 8.5 ft (2.56 – 2.6 m)	8.3 - 8.5 ft (2.52 – 2.59 m)
Weight	lb (kg) 14,991 lb (6800 kg)	15,322 / 15,471 lb (6950 / 7140 kg)
Additional equipment		
Humidity sensor	○ (only with CMT)*	○
Bale drop sensor	○ (1) (only in CMT)*	○
Bale chute positioning sensor	○ (only with CMT)*	–
ISOBUS connection cable	–	○
Blanked-off knives	–	– / ○

● Standard ○ Optional □ Variable

(1) Only with hydraulic roll chute with ejector * Two of the three sensors can be selected CMT: CLAAS Medium Terminal

CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered as approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual.

Specifications

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