

Round balers

VARIANT 480 465 460



## VARIANT from CLAAS.





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# It takes more than just one day to earn the title of "workhorse".

Every field is different, and every day is different; every harvest we gather in is different from the last. But that doesn't matter - thanks to its high throughput and optimal operating comfort, the VARIANT is at home on every field. CLAAS has the right VARIANT for you. There are plenty of benefits too:

- The unique forced bale start by the rotor ensures maximum core compaction and bale weight
- Wide pick-up for huge intake capacities
- Variably adjustable bale diameter
- Innovative soft core device according to individual requirements

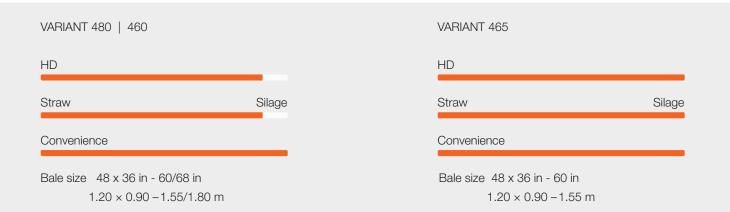




http://tinyurl.com/koh57pd

	VARIANT	465	460	480
1	83 in (2.1 m) pick-up			
2	Roller crop press			
3	Double-roller crop press			
4	Oscillating pick-up guide wheels			
5	Only from CLAAS: active high-power rotor with forced bale start			
6	ROTO CUT: new 360° cutting rotor with 14 blades			
7	ROTO FEED: spiral rotor for uniform crop flow	_		
8	Heavy Duty concept: reinforced chains and rotor		_	_
9	Lowerable PRO floor		_	_
10	High drive torque with a belt speed of approx. 9.8 ft/sec (3 m/sec)			
11	Four reliable, high-strength endless belts			
12	Fast, convenient tying			
13	CLAAS Covered net-wrapping system			
14	New guiding plate for twine and net wrapping			
15	Bale density control system with active hydraulics and dual-tensioning arm			
16	Bale size and soft core diameter can be controlled from the cab			
17	Bale pressure and soft core pressure can be controlled from the cab			
18	Fast tailgate: bale discharge within 6 seconds			
19	COMMUNICATOR II / OPERATOR / EASY on board ISOBUS technology			
20	Large tires 500/50 17			
21	6.6 qt (6.3 l) lubricant capacity			
22	Electric automatic central lubrication system			

☐ Available — Not available



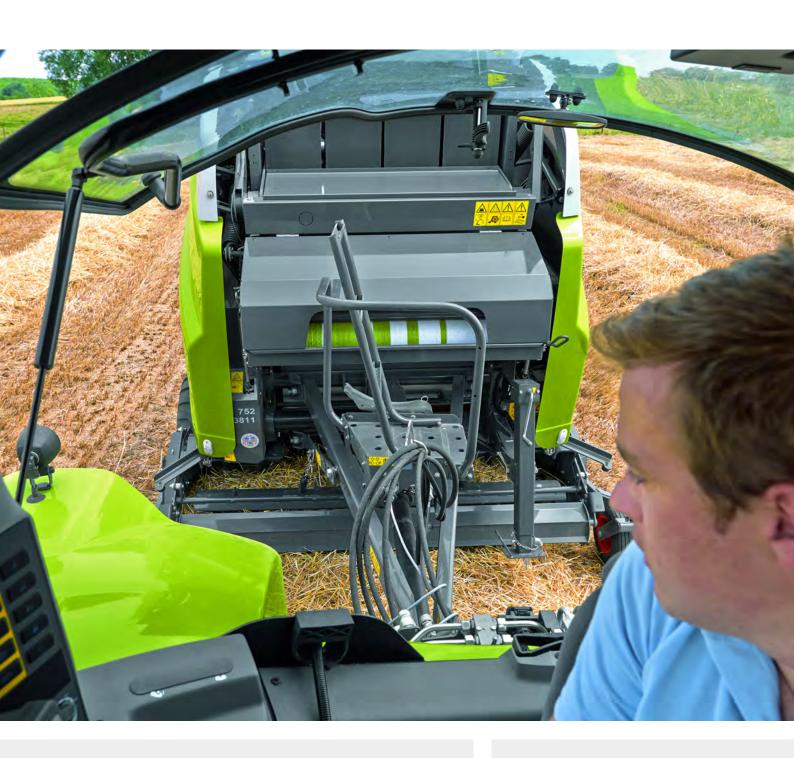


# Of course it's okay to have a big hatch – as long as there's a lot behind it.





With a huge appetite, nothing gets left behind.



### At a glance.

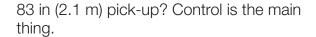
- Controlled pick-up, 83 in (2.1 m)
- Oscillating pick-up guide wheels for a thorough field clearance
- Optional double-roller crop press for optimal crop flow
- Everything in view





http://tinyurl.com/l2jdzbr





The VARIANT was the first round baler with an 83 in (2.1 m) pick-up – and with good reason: the formidable intake capacities and exceptional performance data are still impressive today. The adjustment of the pick-up working height is tool-free. Also important is the pick-up's intelligent control system – this ensures a better crop flow, especially with short material, and increases the service life considerably.

#### Oscillating pick-up guide wheels.

Whatever your preferred width, the pick-up's large, oscillating caster guide wheels unload it evenly and keep it on track. This ensures optimal ground-contour following, and protects the grass cover even at high speeds or when turning. The tool-free adjustment (on all models) of the working height also means convenient operation.



New: double-roller crop press.

The optional, double-roller crop press has proven itself thousands of times over, and is constantly being improved upon. It compresses the crop perfectly, speeds up the crop flow considerably, and ensures active feeding of the crop to the rotor.

#### The full picture.

While working, you have an excellent overview of the pick-up, and can boost the work rate as required. Depending on the crop and crop flow, you can push the machine to its limits to achieve maximum performance.

VARIANT	465	480	460
83 in (2.1 m) pick-up			
Double-roller crop press			
Oscillating pick-up caster guide wheels			
Controlled pick-up			

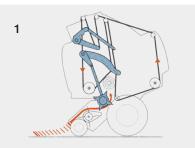
Again, it's all about just one thing – the bale.



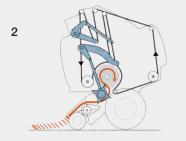
### At a glance.

- Unique to CLAAS: the rotor gets the bale rolling
- The soft core can be adjusted from the cab
- Even filling of the bale chamber by the rotor

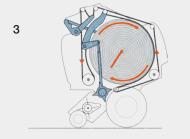




The rotor feeds the crop into the baling chamber where the bale is forced to start rotating immediately.



Optimal core compaction to produce extremely high bale weights and a storable, uniform bale shape from the start.



With a belt speed of 9.5 - 9.8 ft/sec (2.9–3 m/s), the VARIANT can process more than many other round balers, and requires significantly less time to bind the bale.

## Unique to CLAAS: the rotor gets the bale rolling.

Only from CLAAS: the belts and the chopping rotor turn in opposite directions, allowing for the immediate bale start necessary to produce a compact core. The high-speed rotor reaches directly into the bale, forcing the bale start – for each and every bale, and in all conditions. This also prevents belt slippage.

Benefits that you can see in every minute of operation, because you can operate the VARIANT at full speed all the time.

#### Core compaction on demand (optional).

You can determine the core compaction in regard to forage quality, and control this conveniently from the cab – for example, maximum core compaction with straw, or a soft core with hay. You can also choose between three default settings, or use two freely adjustable parameters.

#### Even filling of the bale chamber by the rotor.

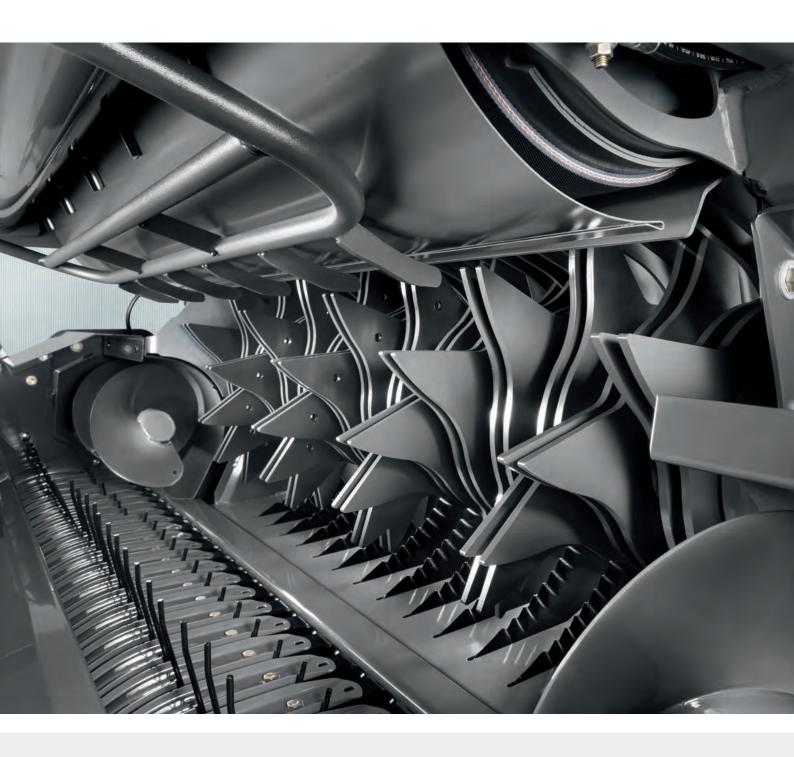
A further benefit: the standard feed rotor delivers a uniform crop flow to the bale chamber, allowing significantly more crop to be processed per unit time, and, as a result, you can operate the VARIANT at incredibly high work rates.





http://tinyurl.com/kkly4fu

# A razor-sharp combination – 14 times, to be exact.



### At a glance.

- NEW: ROTO CUT: 360° chopping rotor with tine arrangement
- ROTO CUT the perfect cut
- ROTO CUT Heavy Duty





#### NEW: ROTO CUT with 360° tine arrangement.

The tine arrangement in ROTO CUT and ROTO CUT HD has been improved. The four-star rotor's tines are now distributed in a spiral over 360°, which allows for optimum distribution of even short material and small swaths, and results in a better bale shape.

#### The perfect cut:

Fourteen blades for top forage quality. The VARIANT ROTO CUT with its 6 mm thick, four-star dual tines works more precisely, more effectively and faster than other balers.

- 14 aggressive DEGUY blades
- Precise, close-cropped feed quantities for greater compaction and easier unwinding
- Saves time when mixing feed, and the top-quality forage increases milk yields
- New: spiral tine arrangement (360°)
- Helical rotor for a short chop
- Combined stripper system between and within the double tines
- Individually secured, double-tempered steel blades
- Hydraulic knife engagement

#### ROTO CUT HEAVY DUTY.

Heavy work? Bring it on! With the Heavy Duty drive system concept, the VARIANT 465 are particularly suitable for demanding work with silage, thanks to the 8.00-mm-thick, four-star dual tines, the more robust, individual knife protection, and the more stable blade bracket. This means that, even with silage, the cutting quality is exceptionally high, just as you would expect from CLAAS.

- ROTO CUT 360°, 8 mm tine stars
- Reinforced single knife protection device
- Reinforced Tsubaki chains (main drive and rotor drive)
- Silage kit

VARIANT	465	480	460
ROTO CUT (6.00 mm)	-		
ROTO CUT HD (8.00 mm)		-	-

## It's not just sports cars that can be lowered.



### At a glance.

- PRO hydraulically lowerable floor adapts to the crop flow
- Early warning system signals the floor's movements
- Blockages can be cleared from the comfort of the cab

"The output and density of the VARIANT are just great – so when I was offered a VARIANT 465 as the pre-production series for 2016, I didn't hesitate."

Wolfgang Strube, Germany



## With hydraulically lowerable floor: VARIANT PRO.

Baling is hard work, and it also needs to be done quickly. High daily outputs are a must, and for that you need intelligent systems that give the driver optimal support – for example, a hydraulically lowerable floor that actively adapts to the crop flow. Automatic lowering of up to 1.2 in (30 mm) enables even irregular swaths to be continuously taken in, and even then cutting quality remains high. The lowerable floor with two hydraulic rams will turn your VARIANT into a VARIANT PRO.

#### Early warning system helps avoid blockages.

The movement of the floor is indicated on the control terminal as visual and acoustic signals via a sensor. This means you can register the threat of blockages in time, and react accordingly – from the comfort of the cab. You can use the baler to its full capacity while avoiding downtime due to blockages.

Potential blockages can be cleared from the control terminal, without having to leave the tractor cab. The hydraulically lowerable floor opens, and the rotor pushes the blockage directly into the bale chamber. On machines with a chopping rotor, pressure is released from the blades at the push of a button, before the lowerable floor is opened. The blades automatically swing back in upon closing.

VARIANT	465	480	460
Lowerable PRO floor		-	-

☐ Available — Not available

We can be tough when it comes to straw – but we don't have to be.



### At a glance.

- Reliable drive line, thanks to cambered, rubber-coated rollers
- Continuous chain lubrication for longer service life
- Bale chamber with dual tensioning arm system for high-strength bales
- Perfect belt guidance





http://tinyurl.com/kcjb34a

#### Reliable drive line and fast belt speed.

The four highly durable endless baling belts on the VARIANT 465, 480, and 460, and the TSUBAKI chains on the VARIANT guarantee you high bale density. The fast belt speed means that the VARIANT turns faster than any other baler.

#### Heavy Duty drive concept.

The Heavy Duty drive concept (465) guarantees maximum drive power together with a high level of operational reliability and a long service life – no matter how much you demand from your VARIANT on a day-to-day basis. With 8.00-mm-thick rotor stars, 1½-inch heavy-duty, long-life chains and a heavy-duty cutterbar with a double knife guard, the VARIANT is perfect for the most difficult conditions, such as when harvesting baleage.



#### Continuous lubrication of the drive train.

The new distribution units in the 6.6 qt (6.3 l) lubricator supply each individual chain with exactly the amount of oil needed for long and smooth-running operation. You can save on cash, in addition to saving valuable maintenance time.

Electric central lubrication is also optionally available on all VARIANT 400 series machines, with lubrication intervals configurable via the CLAAS terminal.

#### The bale chamber.

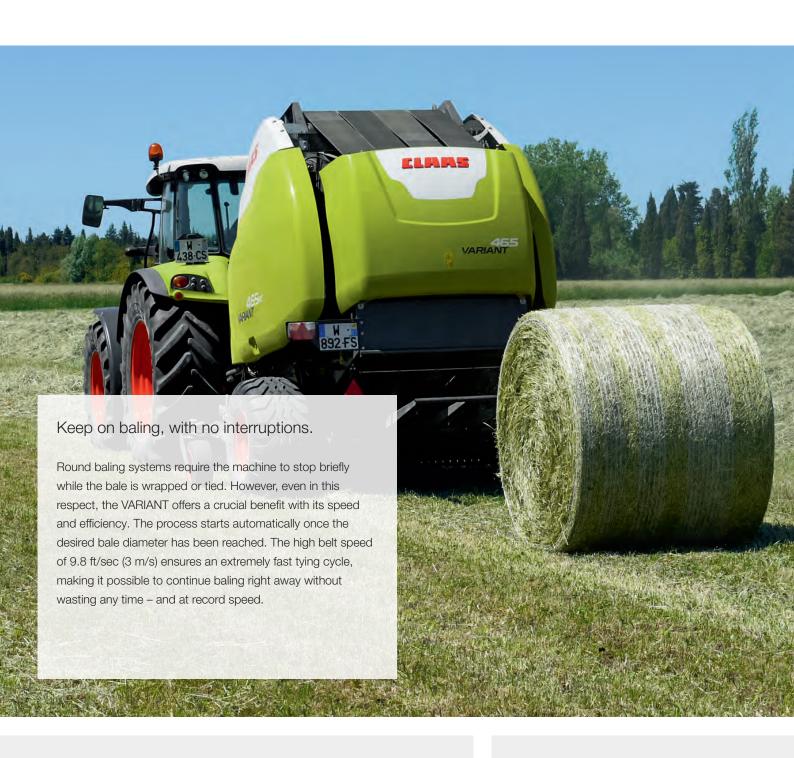
Maximum output in the bale chamber too – the hydraulic bale density control system was designed to enable maximum bale density in all conditions. The active hydraulic system combines three hydraulic rams with a dual-tensioning arm system, and ensures actively controlled guidance and smooth movement.

#### Well guided at all times.

The belt guide and the profiled, rubber-coated drive train rollers ensure that the belts are always optimally positioned for driving the bale.

VARIANT	465	480	460
Heavy Duty concept		-	_
4 belts			
Dual tensioning arm system			

# The ideal relationship – close, understanding and reliable.



#### At a glance.

- Save time with the automatic tying this starts when the desired bale diameter is reached.
- New, patented guiding plate for even more precise tying
- New guiding plate for twine tying and net wrapping





http://tinyurl.com/me7twcr



## New, patented guiding plate increases reliability.

Developed by CLAAS, and patented by CLAAS – the newly developed guiding plate works in two stages, and ensures an even more reliable tying of the bale. The plate opens during the baling process, and this prevents feed matter from accumulating (top image). The plate closes again during the tying process. This ensures that the net or twine is guided optimally (middle image). The result is an extremely reliable tying system – and extremely satisfied operators.



#### Optimized tying.

Both net wrapping and double-twine tying start fully automatically. The easily adjustable, precise tying mechanism ensures compact bales that keep their shape. There's a lot of storage space in the VARIANT for the necessary work materials. You decide whether to stow two net rolls or up to ten twine rolls on board.



#### Fast and reliable: twine tying.

Whether using net wrapping or tying with double twine, the VARIANT is highly impressive in the field. Following the fully automatic start, the easily adjustable precision tying system grips the bale tightly, producing solid bales that hold their shape – and at record speed, thanks to a bale rotation of 9.8 ft/sec (3 m/sec).

VARIANT	465	480	460
Net wrapping			
Twine tying			

■ Available – Not available

#### **NEW**

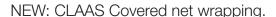
Good things don't need to take time – they can be fast.



### At a glance.

- NEW: CLAAS Covered net wrapping for a good bale shape
- NEW: CLAAS Covered XW net wrapping to make an even better impression
- Perfect overview, cleaning and maintenance, thanks to the wide-opening cover





The special net wrap linkage and the lateral spirals adjust the brake force to the decreasing net roll diameter. This ensures a consistent net tension and optimal coverage of the bale from edge to edge. The benefit for you: compact bales that keep their shape and are ready for further processing.

#### New: the CLAAS Covered XW net wrap.

No matter whether with hay, straw or silage – the extra-wide wrapping will deliver perfectly shaped, sturdy bales. The spiral rollers on the VARIANT ensure optimal overlapping and, consequently, protection of the bale edges. The ideal wrap material is the extra-wide, 51 in (1.3 m) net roll ROLLATEX PRO XW.

#### New: Electronic COMFORT Control (optional).

The electronic COMFORT Control allows the operator to choose the number of wraps from the monitor, a system similar to the ROLLANT 455 series baler wrap controls.



#### Good visibility.

In order that you can see exactly where it's all happening, how the work is progressing, and if it's progressing at all, the wrap is located in an easily visible area, as is usual with CLAAS balers. The wide-opening panel allows for convenient cleaning and maintenance.

#### Developed by CLAAS for CLAAS.

Maximum wrapping reliability and optimal reliability with ORIGINAL CLAAS BALETEX baler twine and with CLAAS ROLLATEX PRO net for optimal edge coverage. With CLAAS Covered XW wrapping, the ROLLATEX PRO XW 51 in (1.3 m) is optimally fitted to meet your requirements.

VARIANT	465	480	460
CLAAS Covered net wrapping			
CLAAS Covered XW net wrapping			

# What should hard work be like? Easy as child's play!





# Right up close with nature – sometimes even at the press of a button.



#### 1 / COMMUNICATOR.

The COMMUNICATOR terminal has a 5.7" color display. It conforms to the ISO UT standard, allowing convenient control of ISOBUS-compatible implements from the COMMUNICATOR. Needless to say, functions can also be assigned to the F buttons (auxiliaries).

#### 2 / OPERATOR.

The OPERATOR impresses with its self-explanatory user interface and its convenient customer management, and 20 job memories are available for flexible deployment. In addition, the function keys are backlit. An ISOBUS-compatible device from CLAAS is required when using the OPERATOR.

#### At a glance.

- Access all the important functions directly from the driver's seat
- Control the VARIANT via tablet with EASY on board
- COMMUNICATOR and OPERATOR for all ISOBUS-compliant machines

## 3 / EASY on board (available through CLAAS Parts).

With the new app EASY on board, all the ISOBUS-compliant attachments can be controlled using an iPad® (from iPad 4® / iPad Air® / iPad Air 2® with iOS 8® (Model A1458 or higher)-purchased by the customer). The convenience of tablet-based operation is matched by its reliability. The USB interface provided acts as a fast and secure power supply for the tablet over long periods in the field. With tablet operation, the cab becomes much less cluttered.

	OPERATOR	COMMUNICATOR II	EASY on board
The terminal			
CLAAS UT		-	-
ISO UT	-		
ISOBUS			
Y cables			-
Printer-compatible			
Touch screen	-	-	
Color screen	-		
Settings			
5 default settings (straw, hay, etc.)			
Bale diameter			
Baling pressure			
Soft core diameter			
Soft core baling pressure			
Wrapping (electronic COMFORT control)			
Information in the task menu			
Diameter			
Baling pressure			
PTO shaft speed			
Left/right indicator			
Knife position			
Number of bales			
Customer menu			
20 customer orders			

<sup>☐</sup> Available — Not available

# Whatever it takes – CLAAS Service & Parts.





#### Your needs matter.

You can always rely on us: we'll be there whenever you need us – everywhere, quickly and reliably, around the clock if necessary, with precisely the solution that your machine or business requires.

#### Reliability can be planned.

With our service products, you can increase your machine reliability, minimize your risk of breakdowns, and budget with confidence. CLAAS MAXI CARE offers planned reliability for your machine.





#### Always up to date.

CLAAS dealer service teams are trained by CLAAS and equipped with the all-important special tools and diagnostic systems to meets all your expectations with regard to expertise and reliability.

## Problem solving by remote diagnostics: CLAAS TELEMATICS.

CLAAS TELEMATICS on your machine brings two important advantages: fast assistance from CLAAS service technicians and a more profitable operation, thanks to wireless networking. We can be there, on the spot, to solve your problem – even when you can't see us.

#### ON YOUR FARM PARTS.

CLAAS ON YOUR FARM PARTS allows you to customize a selection of parts on your farm in order to get you back up and running in minimal time. Buy now – pay after the harvest – it's that simple. Ask your participating dealer for details.



#### ORIGINAL parts and accessories.

Specially matched to your machine: precision-manufactured parts, high-quality consumables and useful accessories. We will supply exactly the right solution from our comprehensive product range to ensure that your machine is 100% reliable.

## Worldwide coverage from Columbus, Regina, and Hamm.

The CLAAS of America Parts Logistics Centers in Columbus, Indiana and Regina, Saskatchewan, provide world-class parts support throughout North America for all CLAAS products. Supported by the CLAAS worldwide spare parts depot in Hamm, Germany, we provide the CLAAS dealer network with reliable, consistent parts availability and industry leading responsiveness. Your local CLAAS dealer can supply the right parts solution for your business to maximize machine uptime.



The CLAAS Parts Logistics Center in Columbus, Indiana, stocks more than 36,000 part numbers in a warehouse area of over 165,000 sq ft.



The CLAAS Parts Logistics Center in Regina Saskatchewan, stocks more than 14,000 part numbers in a warehouse area of over 33,000 sq ft.

## Guaranteed faster.



### At a glance.

- Large tires for maximum soil protection.
- Optional brake axle for greater safety



Rolling on the shoulders of giants.

Three different large tire sizes provide optimum ground protection and smooth running, even in wet conditions.

Speed on the road as well as in the field.

The VARIANT cruises smoothly at speeds up to 31 mph (50 km/h). The optional axle-mounted brakes (available through CLAAS Parts) ensure safety at high speeds on the road as well as enhancing operational safety on sloping terrain.



15.0/55-17 10PR 19.0

19.0/45-17 10PR

500/50-17 F+

VARIANT		465 RC PR0	480 RF / RC	460 RF / RC
Hitching				
PTO shaft speed	rpm	540 or 1000	540 or 1000	540 or 1000
Power requirement	hp (kW)	100 (74)	90 (66) / 100 (74)	90 (66) / 100 (74)
Main drive and drive chains		Heavy Duty, 11/4"	Standard, 1"	Standard, 1"
Central chain lubrication		•	•	•
Central greasing lubrication system		0	0	0
Hydraulic connection				
Single-acting spool valve for pick-up lift		•	•	•
Dual-acting spool valve for tailgate rams		•	•	•
Additional dual-acting spool valve for PRO cutting floor		•	_	_
Pick-up				
Width	in (m)	83 (2.1)	83 (2.1)	83 (2.1)
DIN pick-up width	in (m)	75 (1.9)	75 (1.9)	75 (1.9)
Ground tracking via two oscillating pick-up caster wheels		•	•	•
Roller crop press		O	O	0
Double-roller crop press		•	0	0
Crop feed				
Forced feed with		Heavy Duty ROTO CUT	ROTO FEED / ROTO CUT	ROTO FEED / ROTO CUT
Number of knives (with ROTO CUT)		14	14	14
Hydraulically lowerable PRO cutting floor		O	-	_
Variable baling chamber				
High-strength endless belts	Qty.	4	4	4
Belt speed	ft/sec	9.8	9.8	9.8
Soft-core device, pressure and diameter adjustable	(m/s)	(3) <b>O</b>	(3)	(3)
Supplementary belt drive		•	•	9
Moisture sensor		0	0	0
Heavy Duty concept		•	_	_
Bale chamber dimensions		10 (1.0)	10 (1 0)	10 (1 0)
Width Diameter	in (m)	48 (1.2) 36-60	48 (1.2) 36-68	48 (1.2) 36-60
Diameter	in (m)	(0.9 – 1.55)	(0.9-1.8)	(0.9 - 1.55)
Operation				
OPERATOR		•	•	•
COMMUNICATOR II		•	0	0
ISOBUS cables		0	0	0

VARIANT		465 RC PR0	480 RF / RC	460 RF / RC
Wrapping and tying				
NEW guiding plate		•	•	•
Net wrapping with automatic start		•	•	•
Number of net wraps (COMFORT optional)		O	0	O
Dual twine wrapping with automatic start of tying		O	0	O
CLAAS Covered net wrapping		•	•	•
CLAAS Covered XW net wrapping		•	•	•
Number of twine turns (optional)		O	0	O
Tires				
15.0/55 R 17		•	•	•
19.0/45 R 17		O	0	O
500/50 17 F+		O	0	O
Oscillating pick-up guide wheels 16/6.50-8 10PR		•	•	•
Dimensions and weights				
Length with bale ramp	in (m)	184 (4.68)	184 (4.68)	184 (4.68)
Width with 15.0/55 R 17 tires	in (m)	98 (2.49)	98 (2.49)	98 (2.49)
Width with 19.0/45 R 17 tires	in (m)	105 (2.66)	105 (2.66)	105 (2.66)
Width with 500/50 17 F+ tires	in (m)	105.1 (2.67)	105.1 (2.67)	105.1 (2.67)
Height	in (m)	109.8 - 111.4 (2.79-2.83)	117.7-119.3 (2.99-3.03)	109.8 - 111.4 (2.79-2.83)
Weight	lb (kg)	7,780 (3,530)	8,045 (3,650)	7,495 (3,400)

CLAAS continually develops its products to meet customer needs. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered 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.



Ensuring a **better harvest.** 

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