

**CELTIS 426 • 436 • 446 • 456**

**CLAAS**



**Impressive versatility and performance capacity.**







KLARIS



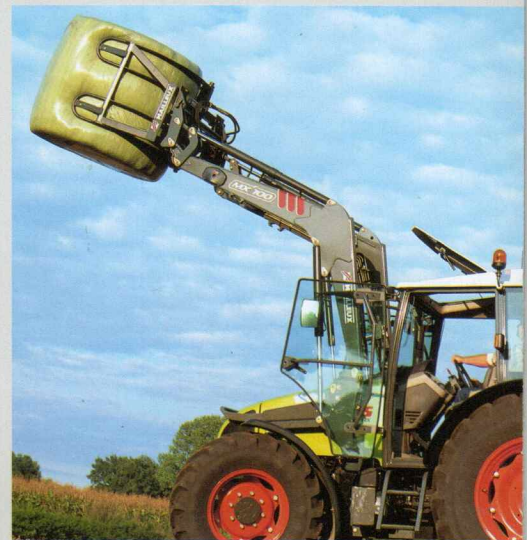
## Meets growing demands and expectations.

### **CELTIS – the perfect all-rounder designed for you.**

A tractor that will deliver the same peak performance in the farmyard, in the field or on grassland, must really offer something. Its exceptional comfort, high reliability and great manoeuvrability and versatility make the CELTIS from CLAAS a universal tractor that performs perfectly whatever the operating conditions.

- **Exceptional comfort and easy to operate**
- **Comprehensive range of equipment and highest levels of productivity**
- **Wide ranging performance capacity combined with the highest levels of efficiency and economy**





CELTIS

# A comfort cab with panoramic view.



## A perfect place to work.

The CELTIS cab is a workplace in the best sense of the word: well laid-out, operator-friendly and very comfortable. The superbly spacious cab contributes to the high level of comfort, along with the ergonomic design of the operator controls. The numerous adjustment options of the comfort seat allow you to find your ideal seating position.

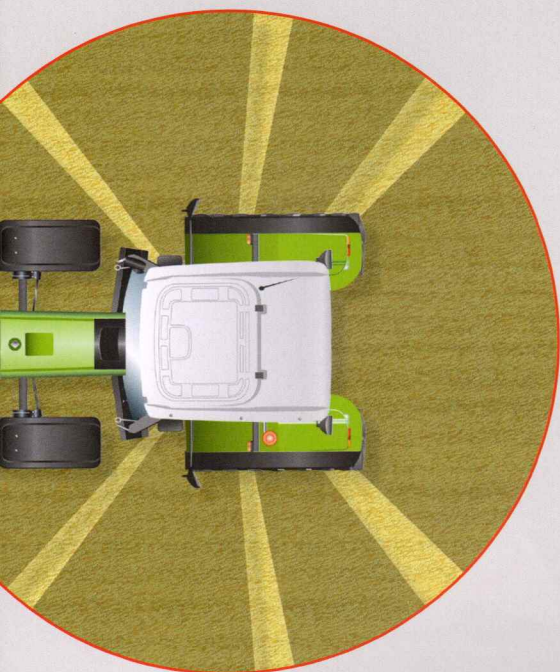


## Flat and comfortable.

A low-profile cab version of the CELTIS is also available. With this model, you can still expect a flat floor and optional air-conditioning for the usual standard of comfort. Both doors open wide and can be locked in position at an angle of 180°.



- Spacious comfort cab with freedom to move around
- Perfect view of all implements

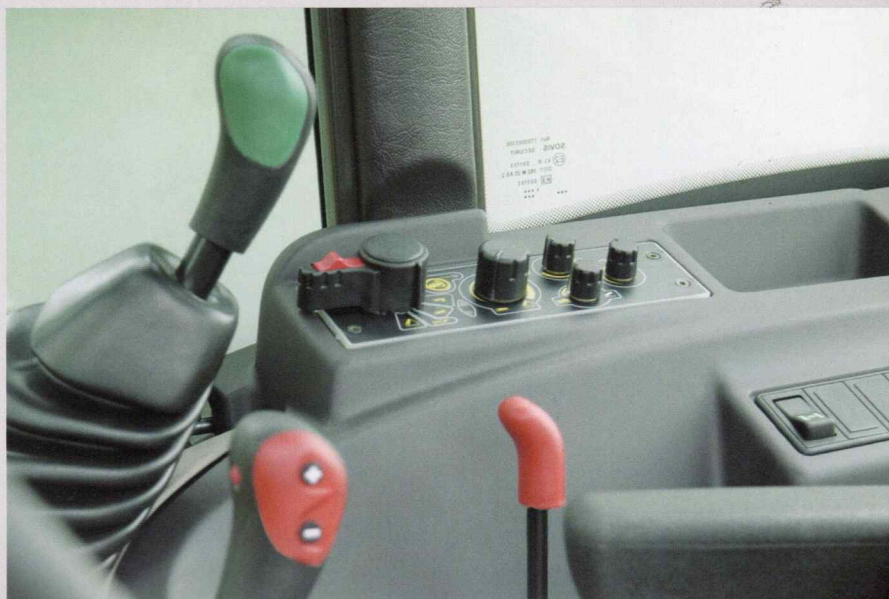


**Optimum panoramic field of view.**

Generously proportioned window areas and narrow cab pillars guarantee an excellent panoramic view of 320°.

**Everything under control.**

The instrument panel display is clear with all of the indicator and warning lights of the CELTIS well-positioned and intelligently laid out, showing you all important information at a glance.



**Everything to hand.**

On the CELTIS, all main operator controls are grouped on one console within easy reach of the driver on the right-hand side of the cab. The standard mechanical linkage control is also located here. Its simple and functional operation allows safe and precise control when lifting and lowering the linkage.



**Lift with ease.**

If greater linkage control is what you require, then electronic linkage control (EHR) should be your first choice. In comparison to the mechanical linkage control, the electronic system offers additional options such as quick entry, height limit and lowering speed adjustment, and a transport shock absorber.



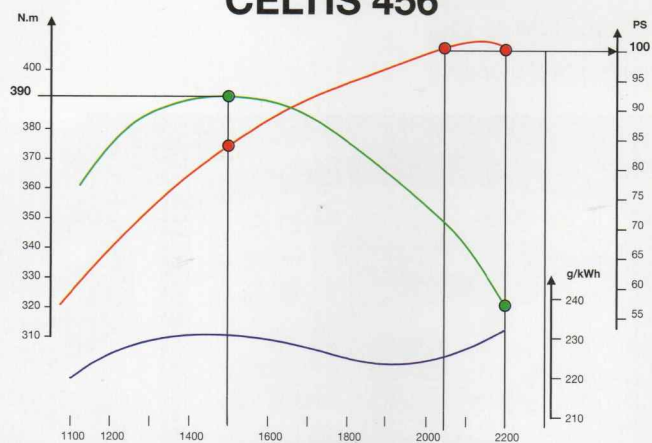
- All important information at a glance
- Easy operation of the tractor and implements
- Adapts easily to a wide variety of conditions
- Straightforward handling means greater productivity



**A powerhouse for all types of work.**

With a maximum power rating in accordance with ECE R 24 from 55 kW (75 HP) to 74 kW (102 HP), the CELTIS fully satisfies the demands that mixed and arable farms place on an all rounder. The latest powerful and extremely economical 4.5 l four cylinder engines are used in the tractors. The performance of the tractor is impressive, whether hard ploughing, heavy trailer towing or high-performance baling.

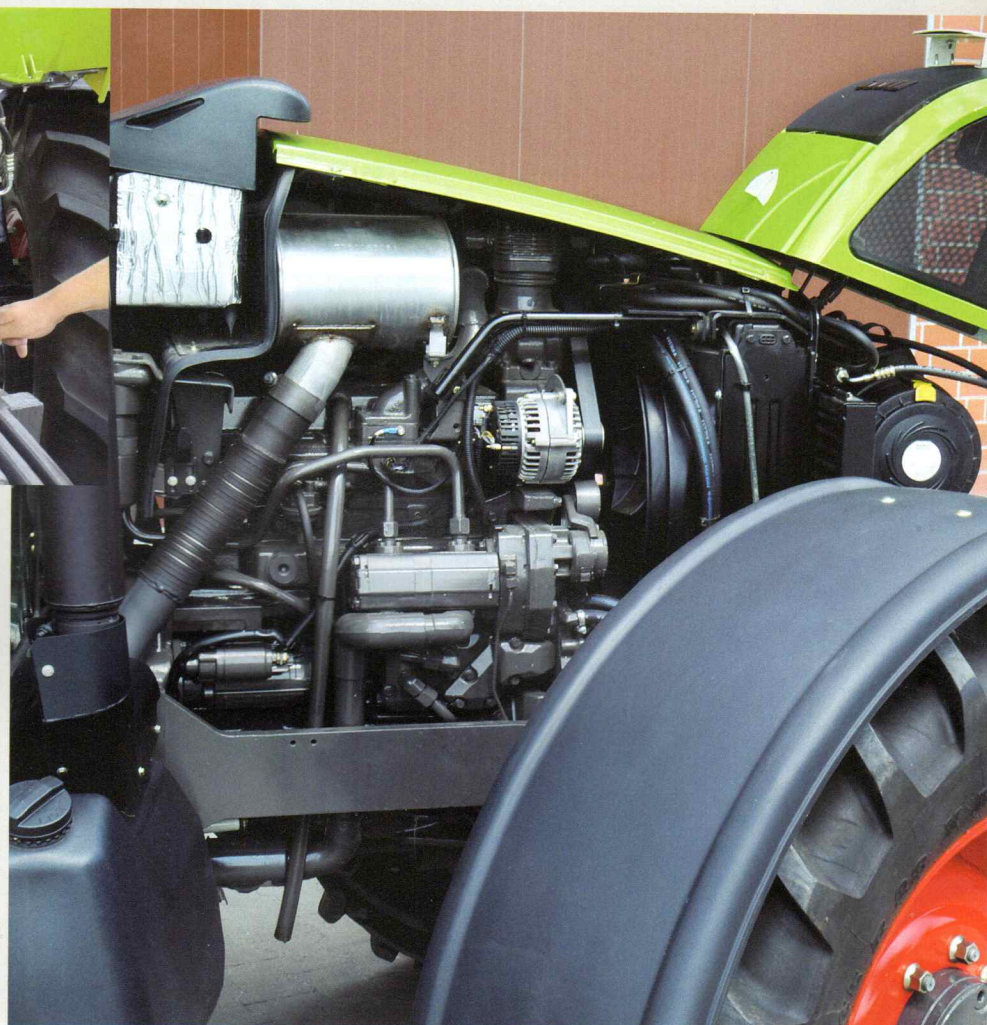
**CELTIS 456**



**Performs beautifully.**

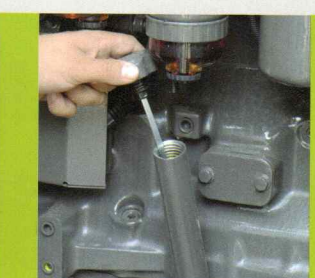
With up to 43% torque reserve, the high-powered engines can effortlessly handle difficult situations without the need to change gear.

# Powerful and extremely easy to service.



## Speedy maintenance.

Servicing the CELTIS is extremely quick and simple. Easy access and the rapid inspection and replacement of parts means servicing is just a matter of minutes. The side panels of the bonnet are removed with ease, the bonnet nose lifted and the radiator folded away – all without tools, naturally.



## A breath of fresh air for the air filter.

The air filter and the safety cartridge are easily replaced after opening the bonnet nose.

## Filter maintenance made easy.

The ventilation and air-conditioning filter is located in front of the cab on the upper section of the bonnet and is concealed by an easily removable cover.

## Refuelling made easy.

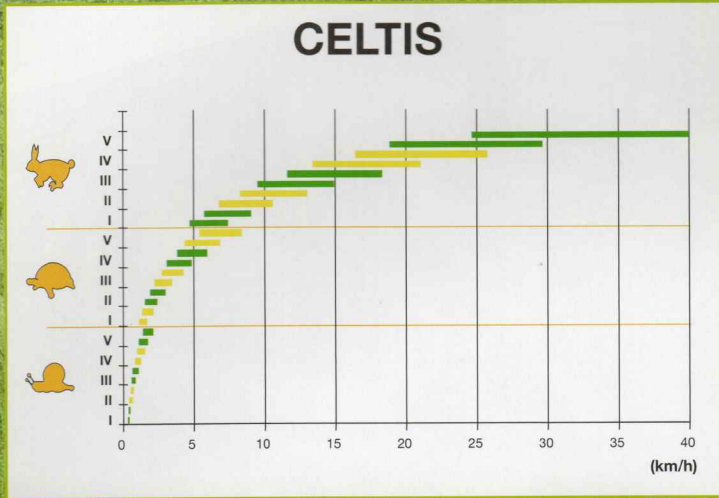
The fuel tank on the CELTIS, with a capacity of 145 litres, is fitted at an optimum height and is filled as easily as that of a car.

## Oil checks without a hitch.

The engine oil level on the CELTIS can be checked in an instant, as there is no need to remove the side panels to reach the dipstick.

## Rear access for oil level checks.

The transmission oil and hydraulics oil levels can also be checked using a dipstick. This is easily accessible at the rear of the CELTIS.



Green forage harvesting, front loader work, soil cultivation, on-road transport - the CELTIS with its range of transmissions has the right solution for every requirement. Whether a gearbox with mechanical doubler, TWINSHIFT hydraulic two-stage powershift, REVERSHIFT hydraulic shuttle reverser or creep range – the CELTIS range of transmissions offers unlimited choice.

## With the CELTIS RA the sky's the limit.

### Minimum height, maximum comfort.

In addition to high-roof and low-roof versions, the CELTIS is also available without a cab, but offering the same level of comfort and ease of handling. Once in the CELTIS RA you will find it easy to navigate your way around - all of the controls are laid out in an ergo-

nomie fashion as standard. You can also choose between four-wheel (40 km/h) and two-wheel (30 km/h) drive (N.B. the 456 model is only available in four-wheel drive), not forgetting the wide selection of transmission options that the CELTIS series has to offer. The CELTIS RA rounds off the wide range of CELTIS tractors with an added breath of fresh air.



### Standing the test of time.

The right-hand operating console is robust and extremely weather resistant.



**Low impact.**

The quick-release roll bar allows you to drive through areas offering minimum headroom with ease.



**Extreme manoeuvrability.**

Even CELTIS four-wheel versions are available in the full range of tyre combinations.

- Easy to operate
- Good panoramic view
- Suitable for passing through areas with low headroom
- Wide range of transmission options
- High efficiency

# The CELTIS simply offers you more.

## Impressive lift capacity.

In terms of lift capacity, the CELTIS can meet every requirement. With up to 4.6 t continuous lifting capacity, the CELTIS is capable of lifting even heavy implements with ease. To satisfy the requirements of each individual farm, a wide range of equipment combinations is available with up to three additional spool valves. The hitch area is well designed and ergonomically optimised. In addition, various hitch options provide the perfect solution for every task.



## Powerful even at the front.

With a maximum lifting capacity of the front linkage of 2.8 tonnes, the CELTIS can also lift heavy implements fitted at the front. The electro-hydraulically controlled front power take-off shaft engages smoothly, which prevents wear and tear on the implement mechanics.

## Shifting at your fingertips.

With the REVERSHIFT hydraulic shuttle reverser, you can disengage the clutch while under load without the need to operate the clutch pedal – all with your fingertips. Shifting from forwards to reverse is quick and easy in each gear. Just what you'd expect from a real shuttle gearbox.

## Simplicity itself

The TWINSHIFT gearbox with doubler is operated without using the clutch by depressing one of the two buttons located on the gear lever located to your right next to the driver seat. The optional cross command lever above it allows you to operate two spool valves with one hand.



**Perfect visibility.**

The wide, front opening roof on the CELTIS gives excellent high visibility for accurate control of the fully raised front loader for example, when stacking round bales – a real benefit when working with the front loader.



**Maximum manoeuvrability.**

To achieve an optimum turning circle, the front mudguards turn to the side, thus facilitating full wheel lock.

**Task management at its best.**

After your work is done, you will probably need to know how much ground you have covered and how much time this took. The INFO-TRAC on-board computer provides this information, as well as additional data such as speed, event counter, outside temperature etc.



**Always in control.**

By means of two buttons on the wings (TCE 9), the electronic rear linkage can be safely operated from outside the cab. The external control provided by the lever means you literally have the control of the mechanical rear linkage at your fingertips. This allows effortless and precise adjustment of the rear linkage via a simple hand movement.



**All hatches “battened down”.**

The cable gland on the rear window facilitates the trouble-free and dust-tight insertion of cables into the interior of the cab.



**Abundant power.**

For the external power supply for additional loads, a number of sockets are available including a 3-pole socket.



# FIRST CLAAS SERVICE®

– accessible, high-quality and fast.

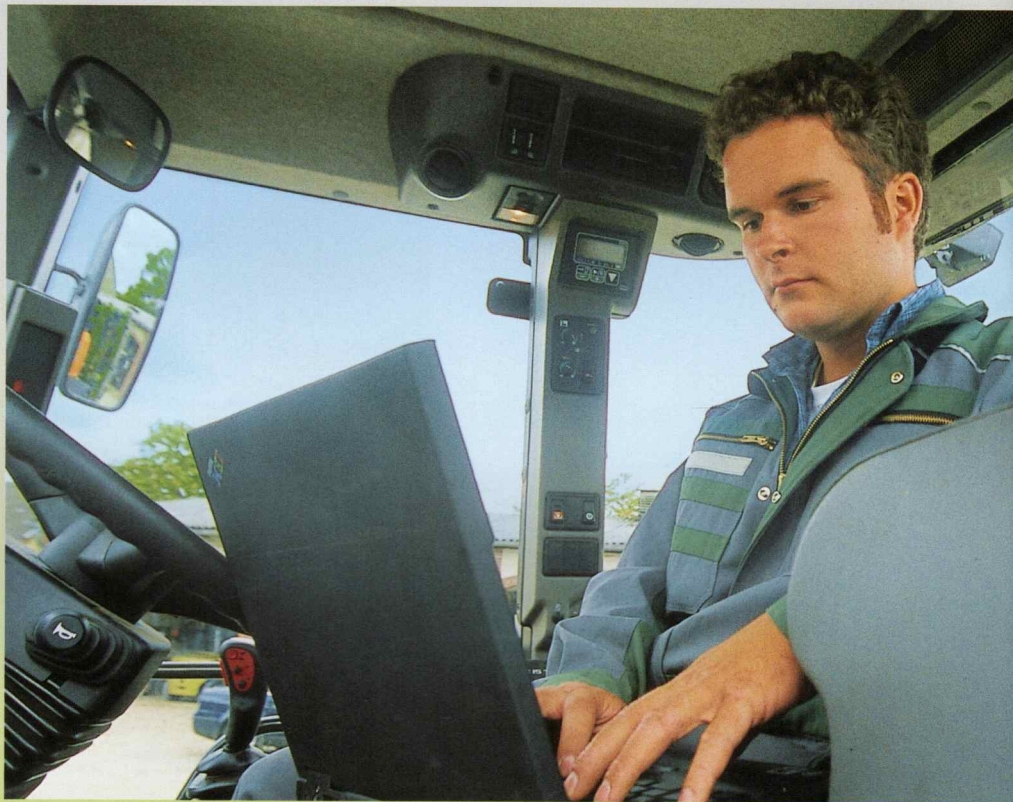


## There whenever you need us.

Being accessible to you, our customer, is the prime directive of the CLAAS service concept. For this reason, CLAAS has set up an extensive sales and service network for its customers. CLAAS, importers and distribution partners will always be at your side, providing a first-class spare parts delivery service and reliable customer service around the world. This applies to harvesting equipment and naturally also to CLAAS tractors.

Particularly at harvest time and other peak working times, such as silage making or late autumn sowing, we know that every second counts. This

is why the most important ORIGINAL CLAAS parts for your machine are always close at hand and promptly available.



## Always ready when needed.

The fast and competent service provides farmers and contractors with the best possible support. The CLAAS customer service staff will of course do everything it can to ensure you don't need it in the first place, but if you ever should need assistance, we

will be there for you immediately with our experience and the latest diagnostics systems. The METADIAG diagnostics system enables fast troubleshooting for CLAAS tractors and updating of machine functions even while in the field without any difficulty.

# CLAAS

## A strong partner at your side.

The CLAAS distribution partners are among the most efficient agricultural engineering companies worldwide. They know how farms work and are aware of the high expectations of CLAAS customers. The factory trained technicians of CLAAS partners and their workshops and service vehicles equipped with specialist tools ensure prompt assistance and a perfect service on site.



**CLAAS SERVICE – you can depend on us!**



## SERVICE & PARTS

# Celtis technical specifications

	CELTIS 426	CELTIS 436	CELTIS 446	CELTIS 456
<b>Engine</b>				
Manufacturer	Deere Power Systems			
Bore/stroke (mm) / Displacement (cm <sup>3</sup> )	106.5 / 127 / 4525			
Number of cylinders / Cooling	4 / water cooled			
Power rating (kW/hp) at 2200 rpm in accordance with ECE R 24	53 / 72	59 / 80	66 / 90	74 / 100
Max. power (kW/hp) at 2000 rpm in accordance with ECE R 24	55 / 75	62 / 84	68 / 92	75 / 102
Max. torque (Nm/rpm)	283 / 1500	333 / 1400	365 / 1400	390 / 1500
Torque back up (%)	39	43	42	29
Optimum spec. fuel consumption (g/kWh)	220	222	228	220
Electronic engine management	yes			
Turbocharger	no	yes	yes	yes
Charge-air cooler	no			
Viscous fan	yes			
Oil change interval	every 500 hours			
Fuel tank capacity (litres)	145			
Battery (V/Ah)	12 / 105			
Alternator (V/A)	12 / 75			
<b>Transmission versions</b>				
Manufacturer	CLAAS			
Max. speed (km/h)	40			
<b>Gearbox with synchronised reverser (no splitter)</b>				
Mechanical gears 5 x 2 ranges	5			
Max. number of gears (depending on option)	10 forward / 10 reverse			
<b>Gearbox with synchronised reverser and mechanical splitter</b>				
Mechanical gears 5 x 2 ranges	5			
Creep range	Option			
Max. number of gears (depending on option)	30 forward / 30 reverse			
<b>REVERSHIFT (Option)</b>				
Model	Hydraulic shuttle reverser with TWINSHIFT			
Design	consisting of planetary gearset with 2 oil-cooled multi-disc clutches, electrohydraulically controlled			
<b>TWINSHIFT (option)</b>				
Type of gearbox	mechanical gearbox with electrohydraulic splitter			
Mechanical gears 5 x 2 ranges	5			
Powershift stages per gear	2			
Creep range	Option			
Max. number of gears (depending on option)	30 forward / 30 reverse			
<b>Power take-off</b>				
Power take-off clutch	Dry clutch			
Actuation, depending on option	mechanical/hydraulic			
Rotational speeds (rpm) depending on option	540 / 540 eco / 1000			
Replaceable power take-off shaft stub	6 spline			
Front power take-off (option)	1000			
<b>Front axle</b>				
Manufacturer	CARRARO			
4-wheel drive	electrohydraulically controlled multi-disc clutch, maintenance-free			
Differential locks front/rear	self-locking multi-disc clutch / dog clutch			
<b>Driving safety</b>				
Braking system	each side 4 oil immersed discs			
Compressed-air generation system	Option			
Hydraulic trailer brake system	Option			
Vibration damping	in conjunction with EHR			
<b>Dimensions and weights (depending on equipment) with the following tyres</b>				
	<b>11.2 R 24</b> <b>16.9 R 30</b>	<b>13.6 R 24</b> <b>16.9 R 34</b>	<b>13.6 R 24</b> <b>16.9 R 34</b>	<b>13.6 R 28</b> <b>16.9 R 38</b>
Unladen weight, incl. fuel, not incl. driver or ballasting (kg)	4030	4190	4410	4670
Overall length not incl. front weights (mm)	3805	3872	3957	3964
Max. overall width (mm)	2510	2510	2510	2510
Overall height, high cab (mm)	2604	2654	2654	2704
Overall height, low cab (mm)	2456	2506	2506	2556
Wheelbase (mm)	2489	2489	2489	1489
Ground clearance (mm)	380	420	420	515
Min. turning circle (m)	4,3	4,35	4,35	4,3

	CELTIS 426	CELTIS 436	CELTIS 446	CELTIS 456
<b>Hydraulics</b>				
Type of hydraulic pump	various versions available			
Total flow rate (l/ min)	69			
Working pressure (bar)	180			
Auxiliary spool valves (max.)	3			
Cross command lever	Option			
Flow rate control	Depends on equipment package			
Connections coupled under pressure	yes			

<b>Rear linkage</b>				
Max. continuous lifting capacity (kg)	2700	3500	3500	4600
Electro-hydraulic linkage control (EHR)	Option			
External actuation of linkage	Standard			
Lower link arm with catch hook	Option			
Front linkage	Various versions available, depending on country			

<b>Cab</b>				
Type	Integral, noise-insulated safety cell			
Low profile cab	Option			
Driver's seat	Comfort seat			
Steering column	Adjustable for height and reach			
Ventilation system	Blower unit in dashboard			
Cab heating	Standard			
Air conditioning	Option			
Opening rear window	Standard			
Opening front window	Option			
Stereo radio with 2 loudspeakers	Option			
Front wash/wipe	Standard			
Rear wash/wipe	Option			
On-board computer	Option			
Work lights	2 front and 2 rear			

**Tyre options**

<b>Front axle tyres</b>		<b>Rear axle tyres</b>		<b>CELTIS</b>			
				<b>426</b>	<b>436</b>	<b>446</b>	<b>456</b>
11.2 R 24 (280/85 R 24)	Adjustable rims/Fixed rims	16.9 R 30 (420/85 R 30)	Adjustable rims/Fixed rims	x	x	x	
		12.4 R 36 (320/85 R 36)	Adjustable rims/Fixed rims	x	x		
12.4 R 24 (320/85 R 24)	Adjustable rims/Fixed rims	18.4 R 30 (460/85 R 30)	Adjustable rims/Fixed rims	x	x	x	
		13.6 R 36 (340/85 R 36)	Adjustable rims/Fixed rims	x	x		
13.6 R 24 (340/85 R 24)	Adjustable rims/Fixed rims	16.9 R 34 (420/85 R 34)	Adjustable rims/Fixed rims	x	x	x	
		13.6 R 38 (340/85 R 38)	Adjustable rims/Fixed rims	x	x	x	
		18.4 R 30 (460/65 R 30)	Adjustable rims/Fixed rims				x
14.9 R 24 (380/85 R 24)	Adjustable rims/Fixed rims	16.9 R 34 (420/85 R 34)	Adjustable rims/Fixed rims				x
		18.4 R 34 (460/85 R 34)	Adjustable rims/Fixed rims	x	x	x	
320/70 R 24	Adjustable rims/Fixed rims	540/65 R 30	Adjustable rims/Fixed rims	x	x	x	
380/70 R 24	Adjustable rims/Fixed rims	480/70 R 34	Adjustable rims/Fixed rims	x	x	x	
420/70 R 24	Adjustable rims/Fixed rims	520/70 R 34	Adjustable rims/Fixed rims	x	x	x	
440/65 R 24	Adjustable rims/Fixed rims	540/65 R 34	Adjustable rims/Fixed rims	x	x	x	
480/65 R 24	Adjustable rims/Fixed rims	600/65 R 34	Adjustable rims/Fixed rims	x	x	x	x
11.2 R 28 (280/85 R 28)	Adjustable rims/Fixed rims	13.6 R 38 (340/85 R 38)	Adjustable rims/Fixed rims				x
13.6 R 28 (340/85 R 28)	Adjustable rims/Fixed rims	18.4 R 34 (460/85 R 34)	Adjustable rims/Fixed rims				x
		16.9 R 38 (420/85 R 38)	Adjustable rims/Fixed rims				x
380/70 R 28	Adjustable rims/Fixed rims	520/70 R 34	Adjustable rims/Fixed rims				x
440/65 R 28	Adjustable rims/Fixed rims	600/65 R 34	Adjustable rims/Fixed rims				x
		540/65 R 38	Adjustable rims/Fixed rims				x

x available

CLAAS continually strives to adapt its products to better meet practical requirements. We therefore reserve the right to change technical specifications. Information and illustrations are only to be considered as an approximation and may include optional equipment that is not supplied as standard. This leaflet has been printed for worldwide use. Please refer to the technical equipment price list of your CLAAS sales partner. On some photos guards have been removed in part to illustrate the function. All machines are supplied in accordance with applicable machinery directives.



# Convincing arguments.



- ✓ Thanks to its exceptional versatility, the CELTIS is the ideal tractor for mixed and grassland farms.
- ✓ The comfort cab leaves you fresh and stress-free even after a long day of work.
- ✓ The exceptional panoramic view and the ergonomically optimised operator controls make for excellent working conditions.
- ✓ For farms with old buildings and less headroom, a low-profile cab or cab-less version is available.
- ✓ The modern, fuel-saving and low-emission engines have enormous tractive power and an excess capacity of up to 2.9 kW (4 HP).
- ✓ The series offers a wide selection of transmission options for every requirement.
- ✓ Its easy-to-operate shuttle reverser, and its enormous hydraulic power, make the CELTIS the ideal choice for silage making or front loader work, among other uses.
- ✓ The electronic linkage control enables precise matching of the hydraulics to the most varied conditions.
- ✓ All maintenance work can be carried out in a simple and straightforward fashion.
- ✓ Technical highlights such as the INFOTRAC on-board information system provide extra benefits to the driver.



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