

ARION
630 C 620 C 610 C

CLAAS

The clever alternative.



A reliable partner –
ARION 600 C.





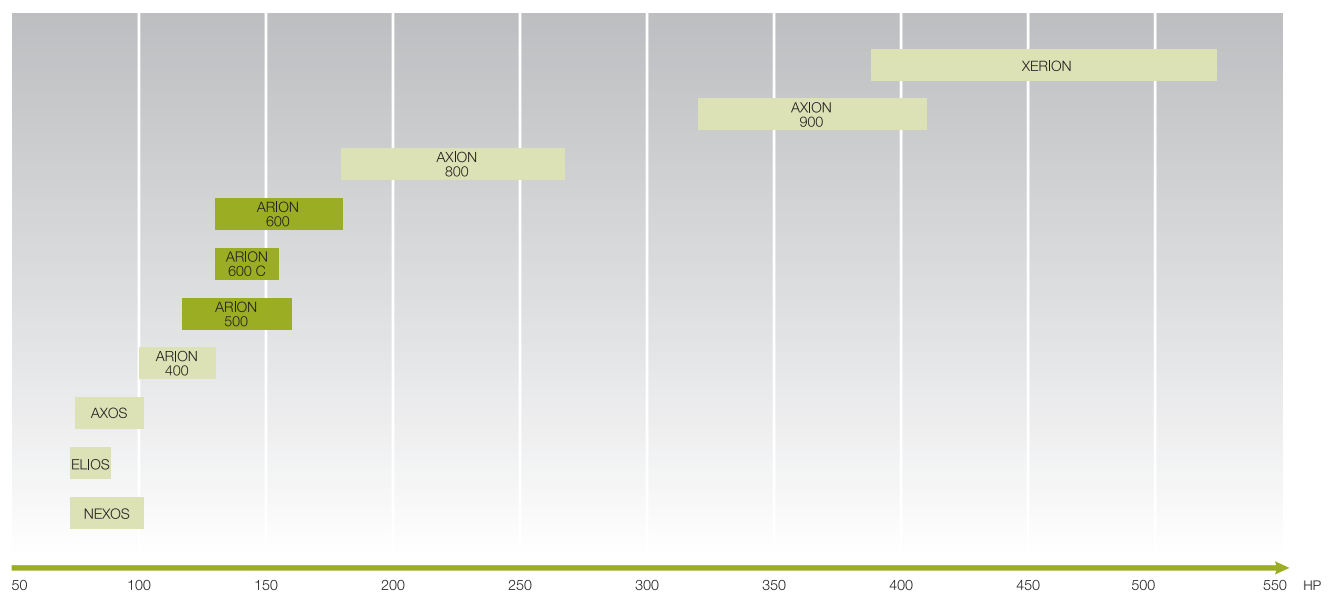
If you're looking for a reliable, well-built tractor with everything you need to successfully perform those arduous everyday tasks, you need look no further than the ARION 600 C. Its straightforward specification comes with all the essentials, it's economical to run, and so powerful that it can convincingly handle even the most difficult challenges.

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Three ranges between 112 and 175 hp.



The ARION model series.

Far-reaching performance range.

The ARION series has quickly established itself in the marketplace. A wide range of equipment options ensure that the technology meets the most stringent day-to-day requirements.

| | ARION 600 C | ARION 600 | ARION 500 |
|--|---|-----------------------|-----------------------|
| Transmission | | | |
| Changes in range and clutchless transmission | Button combination on the hand throttle | DRIVESTICK | DRIVESTICK |
| Operation | | | |
| Multifunction armrest | – | ● | ● |
| Boost CPM | – | ● (640) | ● (540) |
| Mechanical control valves | ● (max. 4) | ● (max. 4) | ● (max. 4) |
| Electronical control valves | – | ○ (max. 6) | ○ (max. 6) |
| Engine | | | |
| Manufacturer | DPS | DPS | DPS |
| Cylinders/displacement | 6 / 6.8 l | 6 / 6.8 l | 4 / 4.5 l |
| Max. output as per ECE R 24 | 125–150 hp | 125–175 hp | 112–155 hp |
| Technology | Common rail, 2 valves | Common rail, 4 valves | Common rail, 4 valves |
| Exhaust gas recirculation | Internal | External | External |
| Emissions standard | Stage IIIa (Tier 3) | Stage IIIa (Tier 3) | Stage IIIa (Tier 3) |

● Standard ○ Optional – Not available

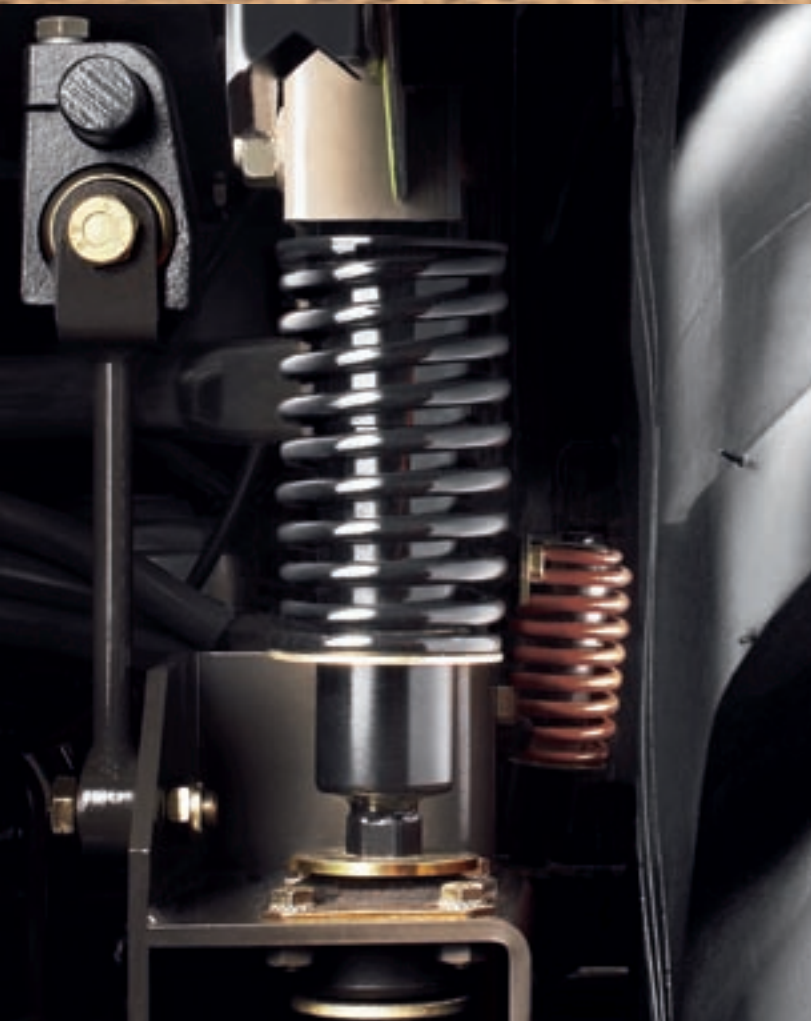
A detailed view of the interior of a vehicle cab, likely a tractor or heavy-duty truck. The image shows a steering wheel on the right side, a dashboard with multiple gauges and a digital display, and two seats with a grey and yellow patterned fabric. The floor is made of metal plates. The text "Comfortable perspectives." is overlaid on the right side of the image.

Comfortable
perspectives.



- Uncompromising driver comfort
- Spacious cab and excellent operating comfort
- 4-point cab suspension
- Long wheelbase for good road handling

Comfort



Comfort – typical for CLAAS.

CLAAS tractors have established a great reputation for comfort – and needless to say, the ARION 600 C is no exception.

Point for point, added driving comfort.

- Easy-to-use QUADRISHIFT transmission, completely shiftable without clutch actuation
- Proven 4-point cab suspension
- Comfortable, air-suspended driver's seat
- Spacious cab
- Powerful air conditioning system
- Effective noise insulation
- Straightforward operation
- Lighting concept with up to ten work lights
- Long wheelbase for improved road handling

Total comfort,
and easy on your back.



Comfort concept

Come evening, the work's done –
and you're still full of energy.



With the COPILOT TS steering system, the driver can easily
keep to the track indicated.





Each manoeuvre engaged instantaneously.

Our engineers design our tractors based on one simple premise: the machine should suit the user, and not the other way round.

The driver shouldn't have to read a huge user manual before operating the tractor. Good tractors can be operated simply and easily.

The multi-adjustable driver's seat can be adjusted to suit the driver perfectly. All of the controls and instruments are ergonomically arranged to create a healthier working environment. You can easily control the engine and speed control, and all of the QUADRISHIFT transmission switch functions, using the buttons on the hand throttle.

You have full control of the working speed and can concentrate fully on the job in hand.

A clear, easy-to-read display gives you all the relevant information you need. It's unlikely that you'll find a tractor that will help you with your daily work more efficiently.

CLAAS provides a complete range of retrofit steering systems to improve driving comfort and optimise operating costs. The tractor can be controlled automatically in tillage, forage harvesting or field maintenance using any one of three satellite-guided GPS PILOT systems and the 3D CAM PILOT camera. CLAAS steering systems and correction signals are approved and supplied for retrofitting subject to local conditions.



Comfort concept



Unleash the power.



- Powerful, 6.8-litre 6-cylinder engine: 115 to 150 hp (ECE R 24)
- 16/16 QUADRISHIFT transmission with four powershift steps

- REVERSHIFT clutchless reverser
- Powerful hydraulics with 60/98 l/min
- Turning radius only 4.80 m

Performance

Top performance with minimal fuel consumption.

CPS (CLAAS POWER SYSTEMS): optimal drive for best results.

At CLAAS, machine development means an ongoing effort to achieve even greater efficiency and reliability as well as optimal profitability in the field. The CLAAS ARION 600 C is no exception; the entire drive train is of the utmost importance and encompasses much more than just a powerful engine.

In CLAAS POWER SYSTEMS (CPS), we have brought together top-quality components to create a drive system that is in a class of its own – one that always delivers the most efficient power when needed. CPS is ideally matched to the working system, featuring fuel-saving technology that quickly pays for itself. Power equals efficiency.



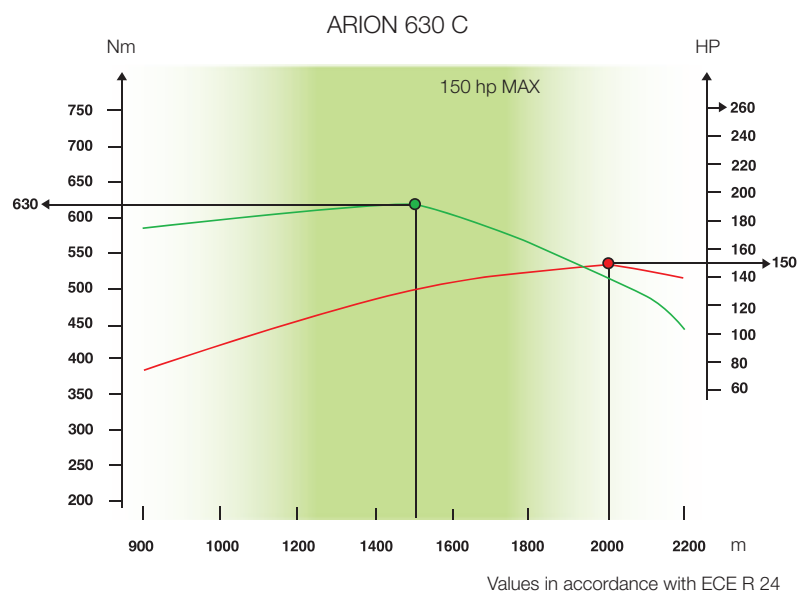
CPS | CLAAS
POWER
SYSTEMS



State-of-the-art, turbocharged, 6.8-litre, 6-cylinder engines.

The electronically controlled, common rail injection precisely delivers the fuel while at the same time keeping overall consumption low. Its high torque is impressive right down to the bottom end of the rpm range, and a huge torque rise allows the ARION 600 C to just hang on in, in the toughest conditions. Thanks to the 280-litre tank capacity, you'll always have enough fuel on board for long working days.

The good gear spacing of the QUADRISHIFT transmission with four powershift speeds and the use of ECO PTO shafts allow you to save even more fuel. In total, there are four PTO speeds available. You can switch through them mechanically, while the electronically controlled multiplate clutch engages the PTO.



Engine



Under load in the field? Quick manoeuvring with the front loader?

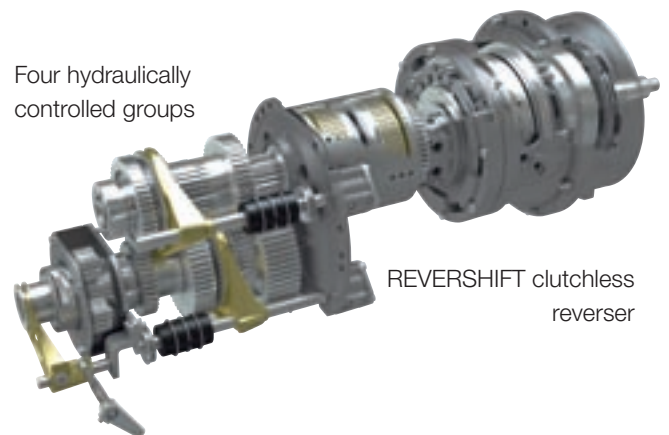
The powerful QUADRISHIFT transmission in the ARION 600 C will master any task with minimal loss of power, and sets a new standard in driving comfort.

You don't need a shift lever or a clutch pedal to operate the ARION 600 C. Instead, you simply use your right hand to push the "+/-" button and the range shift key on the hand throttle. It allows you to shift all four powershift speeds and ranges up and down quickly and conveniently, so that you can concentrate fully on the job in hand. You need the clutch pedal only for manoeuvring.

The tried-and-tested REVERSHIFT electrohydraulic clutchless reverser on the steering wheel facilitates rapid and convenient turning, which is performed effortlessly using the left hand, leaving the right hand free to control the rear linkage and spool valves at the headlands. Designed for special applications such as potato lifting and vegetable cultivation, the creeper gear offers 32 gears with a minimum speed from 140 m/h.

QUADRISHIFT
four powershift splits

Four hydraulically
controlled groups



REVERSHIFT clutchless
reverser

Creeper gear

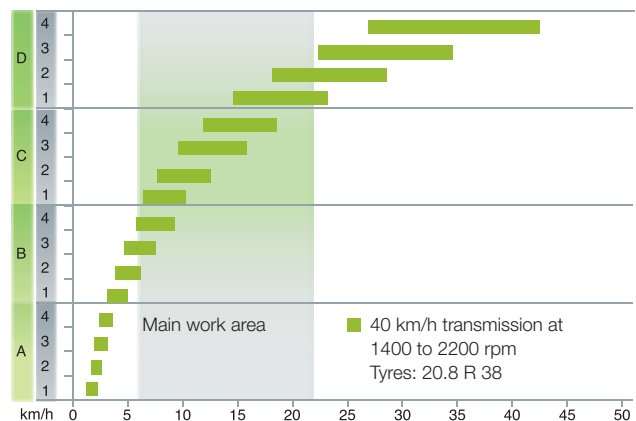
REVERSHIFT gives you a smooth reversing gear that you can operate with your fingertips.



No shift lever, no clutch pedal –
with QUADRISHIFT, one press of a
button is all you need.



With the excellent gear ranges of the QUADRISHIFT transmission, you can perform a significant part of your work in the main working range without having to change the gear range.



Easy to handle and nimble to manoeuvre – why not see for yourself.



Sophisticated design.

Grass harvesting or late autumn drilling are peak working times in which you need to avoid idle periods wherever possible. With a turning radius of just 4.80 metres, the ARION 600 C is one of the most agile tractors in its class.

A maximum steering angle of up to 55° is possible, thanks to the pivoting front wings. As a result, you save valuable centimetres and precious minutes when making turning manoeuvres. In conjunction with the front loader, the ARION 600 C boasts excellent manoeuvrability.

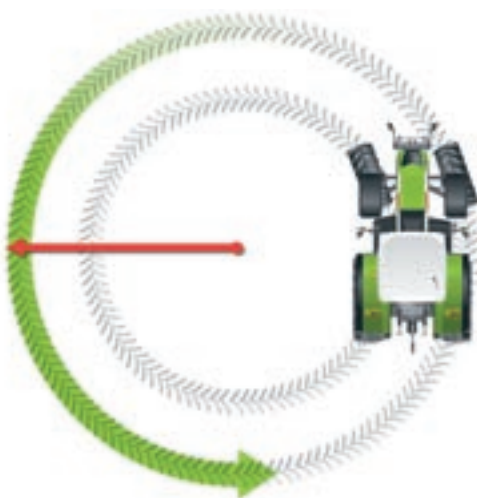
An ideal weight distribution, thanks to the front ballast of the ARION 600 C: 50% at the front and 50% at the rear.





Wheelbase and weight distribution are significant factors in achieving effective traction and driving stability on the road. The much-praised design of the ARION 600 model series, with its long wheelbase (2.82 metres) and even weight distribution (50% at the front, 50% at the rear), is the basis for its high traction and high lifting capacity.

All models in the ARION 600 C series are available ex factory with a brake booster unit for maximum driving safety on the road.



Manoeuvrability and
stability on the road



Tackling the job in style.

Whatever the job at hand, the ARION 600 C is in its element. The powerful hydraulic system has two selectable circuits and up to four auxiliary spool valves.

The rear linkage applies max. 6.5 tonnes at the ball ends, and the 98-litre hydraulic pump permits the simultaneous use of several hydraulic spool valves. With your ARION 600 C, you can easily combine various high-performance implements to make great savings on costs and working hours.

The ARION 600 C offers a wealth of linkage options for increased flexibility, such as Piton Fix or Pick-up Hitch.

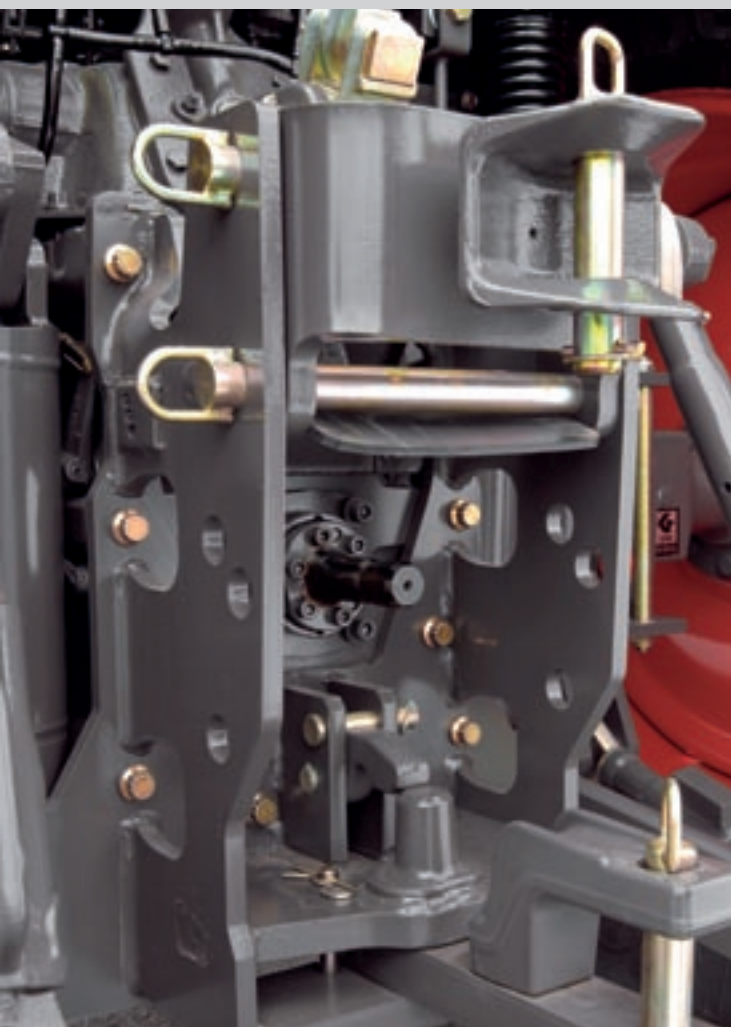
The rear TCE 15 T linkage control is based on the Bosch EHR digital draft control.

The systems reduce your personal workload while ensuring a high level of safety and maximum traction. The back of the ARION 600 C is clearly and ergonomically laid out. The block couplers are easily accessible, ensuring quick connection and disconnection every time.

Fully integrated and equipped with folding lift arms, the front linkage is characterised by reduced spacing between ball ends and front axle to ensure optimal ground tracking. Combined with the front PTO shaft, it broadens the ARION 600 C's scope of application.



Just sit back and relax, and let the machine do the work for you.



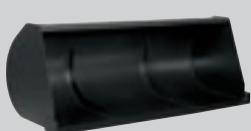
Rear linkage

All systems go: the ARION 600 C with CLAAS front loader.



Uncompromising comfort standards, including front loader work.

The CLAAS front loaders feature high-quality technology and top workmanship. They complement the quality of the ARION 600 C perfectly. Operation of the different joystick variants is so easy, and the view to the working area is excellent.



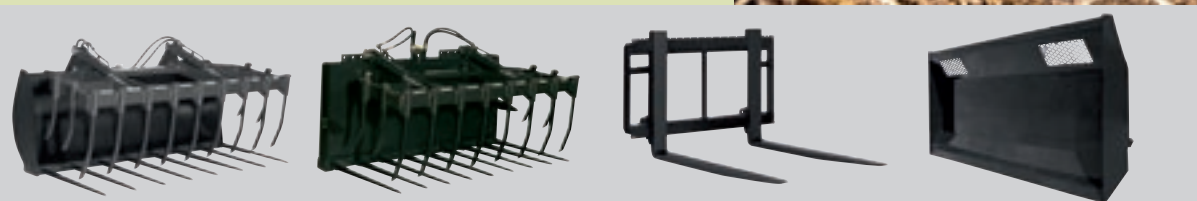


A lot of things speak for the CLAAS front loader.

- FL series with hydraulic parallel guidance, integrated lines in the lifting arms
- FL C series with or without mechanical parallel guidance
- Excellent view, thanks to FOPS (Falling Object Protection Structure) transparent sunroof
- Two convenient operating variants to choose from: PROPILOT and FLEXPILOT
- FITLOCK system for quick and convenient attaching / detaching
- MACH quick attachment coupler for electric and hydraulic circuits
- SHOCK ELIMINATOR vibration dampening for extreme driving comfort
- Excellent lifting power and a wide selection of attachments
- FASTLOCK hydraulic locking for attachments
- MACH 2 for rapid and secure coupling of implements' hydraulic connections
- And not forgetting the full CLAAS service

| ARION | FL 150 | FL 120 / FL 120 C | FL 100 / FL 100 C |
|------------------|--------|----------------------|----------------------|
| 630 C | ▣ | ▣ | – |
| 620 C | – | ▣ | – |
| 610 C | – | ▣ | ▣ |
| Lifting height m | 4.60 | 4.15 | 4.00 |

▣ Available – Not available



Front loader



Quick maintenance thanks to easy accessibility.

You can access all of the relevant areas in no time at all. Lift the one-piece bonnet with just a few movements of the hand – the engine can be easily accessed even when the front loader is attached. The air filter and hinged radiators are positioned so they can be replaced or cleaned as necessary, and the radiators can be quickly tilted out of the way, thanks to the turn lock fasteners. Another feature that saves time during maintenance: the cab filter is located not in the roof area, but is instead positioned in an easily accessible location in front of the cab.

The ARION can be refuelled just like a passenger car. The tank holds 280 litres of fuel – plenty for those long working days.

Your advantages:

- You can carry out simple maintenance operations yourself
- You have access to the most important maintenance points
- Long intervals allow you more flexibility of operation
- Long-term maintenance also means lower costs

Not a minute of your time wasted –
even during maintenance.



Maintenance

Good partners never leave you in the lurch – no matter what time of day it is.

We know what matters.

You can count on our professional and reliable FIRST CLAAS SERVICE® teams every minute you are out in the field with your ARION 600 C. Your CLAAS dealer can supply spare parts and provide reliable customer service – around the clock and all over the world.

We're there where you need us.

You can count on us as and when you need parts in a hurry. Our central spare parts warehouse delivers all ORIGINAL CLAAS parts quickly and reliably all over the world. The extensive network of CLAAS dealers ensures that they reach their destination as quickly as possible – wherever you happen to be.



Increased reliability, minimum repair risk and a predictable cost base with the MAXI CARE® package for your ARION 600 C.



We can check your ARION's pulse.

Correct machine setup, control processes, monitoring and much more besides would be inconceivable without electronics. Our electronic modules also enable diagnostic work and faster troubleshooting. Should your ARION 600 C encounter an unexpected problem, simply call the FIRST CLAAS SERVICE® team. Our experienced specialists will then come out to you with state-of-the-art diagnostic gear to get things running smoothly with a minimum of delay.

We speak the same language.

CLAAS dealers are highly trained and equipped with all the specialist tools required. Just as important is the fact that they also have intimate knowledge of the workings of your farm or contractor business, and know exactly what you expect in terms of skill and reliability.

Cost-conscious investment in efficiency is a recipe for success.

The individual CLAAS MAXI CARE® service packages offer the highest level of safety for all CLAAS products. Attention to proper service means increased reliability. We provide a flexible selection of modules such as extended warranty to keep costs transparent and on track.

There are customised options and combinations for your CLAAS machine:

- Service contract maintenance services at a fixed price in accordance with the operator's manual
- MAXI CARE® warranty extension



FIRST CLAAS SERVICE®
MAXI CARE®

Whatever you need, tailored to
your individual requirements –
the ARION 600 C.





Features to win you over:

Comfort.

- CLAAS comfort concept with 4-point cab suspension
- Luxury cab with air-conditioning system and wide, forward-opening sunroof or FOPS (Falling Object Protection Structure) transparent sunroof
- Long wheelbase for enhanced driving comfort and ideal weight distribution
- Shifting operations via +/- and shift keys without clutch
- TCE 15 T manages the lifting functions
- Up to ten work lights for panoramic lighting

High performance.

- DPS 6-cylinder engine
- Common rail injection system
- Max. output from 125 to 150 hp to ECE R 24 standard
- QUADRISHIFT transmission
- Creeper gear from 140 m/h
- Up to four mechanical spool valves
- 60 or 98 l/min hydraulic flow
- CLAAS front loader
- Up to four PTO shaft speeds: 540/540E/1000/1000E
- FIRST CLAAS SERVICE®

ARION

| | | 630 C | 620 C | 610 C |
|--|-----------------|-------------|-------------|-------------|
| Engine | | | | |
| Manufacturer | | DPS | DPS | DPS |
| Number of cylinders/intake | | 6/TI | 6/TI | 6/TI |
| Cubic capacity | cm ³ | 6788 | 6788 | 6788 |
| Nominal engine speed | rpm | 2200 | 2200 | 2200 |
| Output at nominal engine speed (97/68/EC ¹) | kW | 113 | 103 | 95 |
| Output at nominal engine speed (ECE R 120 ²) | kW/hp | 107/145 | 99/135 | 88/120 |
| Max. output (ECE R 120 ²) | kW/hp | 114/155 | 103/140 | 96/130 |
| Output at nominal engine speed (ECE R 24) | kW/hp | 103/140 | 96/130 | 85/115 |
| Max. output (ECE R 24) | kW/hp | 110/150 | 99/135 | 92/125 |
| Max. output at engine speed | rpm | 2000 | 2000 | 2000 |
| Constant output | rpm | 500 | 400 | 400 |
| Engine speed at max. torque | rpm | 1500 | 1500 | 1500 |
| Max. torque (ECE R 120 ²) | Nm | 633 | 580 | 534 |
| Max. torque (ECE R 24) | Nm | 630 | 571 | 527 |
| Electronically controlled injection pump | | ● | ● | ● |
| Air filter dust aspiration | | ● | ● | ● |
| Fuel tank capacity | l | 280 | 280 | 280 |
| Oil change interval | h | 500 | 500 | 500 |
| Transmission | | | | |
| Ratios F / R | | 16/16 | 16/16 | 16/16 |
| Min. speed | km/h | 2.1 | 2.1 | 2.0 |
| Max. speed | km/h | 40 | 40 | 40 |
| REVERSHIFT clutchless reverser | | ● | ● | ● |
| Number of powershift steps | | 4 | 4 | 4 |
| Electrically controlled ranges | | 4 | 4 | 4 |
| Creep range | km/h | 0.52 | 0.52 | 0.49 |
| Extra slow | km/h | 0.15 | 0.15 | 0.14 |
| Oil change interval | h | 1000 | 1000 | 1000 |
| Rear axle | | | | |
| Electrohydraulically connected differential locks | | ● | ● | ● |
| Automatic differential locks | | ● | ● | ● |
| Max. rear tyres | | 650/65 R 38 | 650/65 R 38 | 600/65 R 38 |
| PTO | | | | |
| Wet multi-disc clutch | | ● | ● | ● |
| Remote control emergency stop | | ● | ● | ● |
| 540/1000 | | ● | ● | ● |
| 540/540E/1000/1000E | | ○ | ○ | ○ |
| PTO shaft* | | ○ | ○ | ○ |
| Changeable PTO shaft stub | | ● | ● | ● |
| Number of splines | | 6/21 | 6/21 | 6/21 |

● Standard ○ Optional ■ Available – Not available

¹ Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC. ² Meets ISO TR 14396

| | | 630 C | 620 C | 610 C |
|--------------------------------------|---------|-----------|-----------|-----------|
| 4-wheel drive front axle | | | | |
| Electrohydraulic operation | | ● | ● | ● |
| Automatic 4-wheel drive | | ● | ● | ● |
| Max. steering angle | Degrees | 55 | 55 | 55 |
| Castor angle | Degrees | 6 | 6 | 6 |
| Angle of oscillation | Degrees | 10 | 10 | 10 |
| Turning radius | m | 4.8 | 4.8 | 4.8 |
| Track | mm | 1950 | 1950 | 1950 |
| with tyres | | 14.9 R 28 | 14.9 R 28 | 14.9 R 28 |
| Wet multi-disc clutch | | ● | ● | ● |
| Pivoting mudguards | | ○ | ○ | ○ |
| Hydraulics | | | | |
| Open hydraulic circuit I | | ● | ● | ● |
| Flow at rated speed | l/min | 60 | 60 | 60 |
| Max. operating pressure | bar | 200 | 200 | 200 |
| Open hydraulic circuit II | | ○ | ○ | ○ |
| Flow at rated speed | l/min | 98 | 98 | 98 |
| Max. operating pressure | bar | 200 | 200 | 200 |
| Number of control valves (min.—max.) | | 2–4 | 2–4 | 2–4 |
| Quantity control | | ● | ● | ● |
| Front linkage | | | | |
| Max. lifting capacity at 610 mm | t | 3.2/4 | 3.2/4 | 3.2/4 |
| Front PTO rpm | | ○ | ○ | ○ |
| Hydraulic connections | | ○ | ○ | ○ |
| Rear linkage | | | | |
| Max. lifting power at ball ends | kg | 6900 | 6500 | 6500 |
| Continuous lifting power at 610 mm | kg | 4200 | 4100 | 4100 |
| Lifting range | mm | 748 | 745 | 745 |
| Vibration damping | | ● | ● | ● |
| Trailer hydraulic brake | | ○ | ○ | ○ |
| Air brake system | | ○ | ○ | ○ |
| Trailer plug | | ● | ● | ● |
| 25-ampere socket | | ● | ● | ● |
| Cab | | | | |
| Unsprung | | ● | ● | ● |
| 4-point suspension | | ○ | ○ | ○ |
| Air conditioning | | ○ | ○ | ○ |
| Passenger seat | | ○ | ○ | ○ |
| Cooler compartment | | ○ | ○ | ○ |

● Standard ○ Optional ■ Available — Not available

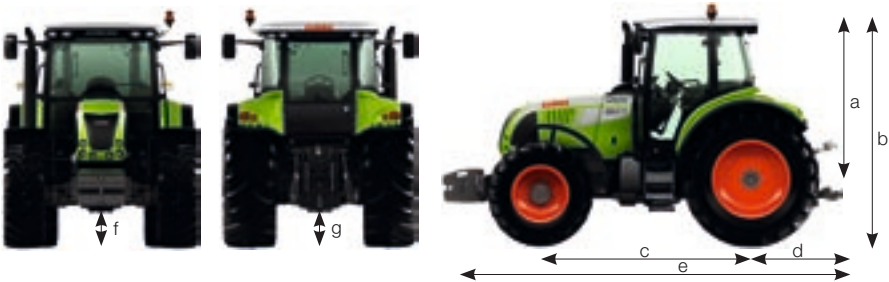
CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. 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

ARION

| | | 630 C | 620 C | 610 C |
|--|--------------------------|-----------|-----------|-----------|
| Dimensions | | | | |
| Height | | | | |
| Rear wheels | | 20.8 R 38 | 20.8 R 38 | 18.4 R 38 |
| Front wheels | | 16.9 R 28 | 16.9 R 28 | 14.9 R 28 |
| Centre rear axle – cab upper edge (a) | mm | 2180 | 2180 | 2180 |
| Overall height (b) | mm | 3055 | 3055 | 3005 |
| Length | | | | |
| Wheelbase (c) | mm | 2820 | 2820 | 2820 |
| Clearance, rear axle – lower link (d) | mm | 1198 | 1198 | 1198 |
| Length with front ballast and trailer hitch (e) | mm | 5155 | 5155 | 5155 |
| Ground clearance | | | | |
| Front axle (f) | mm | 541 | 541 | 516 |
| Rear axle (g) | mm | 549 | 535 | 508 |
| Weight | | | | |
| (Standard tyres, with oil and fuel, fixed front axle, with driver) | | | | |
| Rear wheels | | 18.4 R 38 | 18.4 R 38 | 16.9 R 38 |
| Front wheels | | 14.9 R 28 | 14.9 R 28 | 13.6 R 28 |
| Weight without ballast | kg | 5870 | 5600 | 5500 |
| Max. front ballast without front lift linkage | kg | 804 | 804 | 804 |
| Weight distribution with ballast (rear/front) | % | 50/50 | 49/51 | 48/52 |
| Permissible gross weight (40-km/h version) | kg | 9250 | 8800 | 8800 |
| Tyres | | | | |
| Rear tyres | Front tyres | | | |
| 16.9 R 38 (420/85 R 38) | 13.6 R 28 (340/85 R 28) | – | – | ▣ |
| 480/70 R 38 | 380/70 R 28 | – | – | ▣ |
| 540/65 R 38 | 440/65 R 28 | – | – | ▣ |
| 18.4 R 38 (460/85 R 38) | 14.9 R 28 (380/85 R 28) | ▣ | ▣ | ▣ |
| 600/65 R 38 | 480/65 R 28 | ▣ | ▣ | ▣ |
| 520/70 R 38 | 420/70 R 28 | ▣ | ▣ | ▣ |
| 20.8 R 38 (520/85 R 38) | 16.9 R 28 (420/85 R 28) | ▣ | ▣ | – |
| 580/70 R 38 | 480/70 R 28 | ▣ | ▣ | – |
| 650/65 R 38 | 540/65 R 28 | ▣ | ▣ | – |
| 600/60 R 38 ¹ | 480/60 R 28 ¹ | – | – | – |
| 650/60 R 38 ¹ | 520/60 R 28 ¹ | ▣ | ▣ | ▣ |

● Standard ○ Optional ▣ Available – Not available ¹ XEOBIB





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