



Tractors

ARION

460 450 440 430 420 410



# Just the way you want it. The new ARION 400.

Every day brings new challenges, and no one knows this better than you. You need a tractor that will be with you all of the way, but you don't want an off-the-shelf model. You want a tractor that can do exactly what you want it to do - no more and definitely no less. The ARION 400 is exactly what you need. Just the way you want it.



[arion400.claas.com](http://arion400.claas.com)



# ARION 460–410.





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# ARION 400 – the compact giant with up to 140 hp.



## Long wheelbase and compact design.

The CLAAS tractor concept is seen at its best in the ARION 400. The requirement profile for a tractor in this performance class is very varied. Cultivation, forage harvesting, transport and front-loader work are all on the agenda. With an ARION 400 you are perfectly equipped for any kind of work. In the field, in the yard or on the road – its long wheelbase guarantees smooth operation and high tractive power. Thanks to the innovative narrow-waist design of the solid cast frame with integral oil sump, the ARION 400 is extremely stable and manoeuvrable, even with a front loader.

What's more, the cab comes in a number of versions which enable you to enjoy a top-class level of comfort. But they all have one thing in common: the focus is always on the driver. With a logical control concept that makes your working day easier. With a suspension concept that eliminates harmful impacts and makes driving safer. With a drive concept that uses precious fuel in an economical and environmentally responsible way and is very easy to operate thanks to the automated manual transmission.

The cab is not the only area where you have a free choice. With its highly versatile equipment, the ARION 400 can be adapted to meet the individual requirements of any farm and driver, enabling you to personalise the ARION 400 to suit your needs.



Engine output, ARION 400 series.

| ARION |    | Maximum output ECE R 120 |
|-------|----|--------------------------|
| 460   | hp | 140                      |
| 450   | hp | 130                      |
| 440   | hp | 120                      |
| 430   | hp | 110                      |
| 420   | hp | 100                      |
| 410   | hp | 90                       |

# ARION 400.

## Just the way you want it.



### Customised performance.

In the power sector around 120 hp, in particular, customer requirements, working conditions and applications vary enormously from farm to farm. CLAAS therefore offers a wide range of models and equipment options in the ARION 400 series.

Six 4-cylinder models cover the performance segment between 90 and 140 hp.

### Transmission.

- Automatic QUADRISHIFT powershift transmission: 16 forward and 16 reverse gears are easily selected with one finger, or can be selected automatically by the QUADRACTIV powershift unit
- Electrohydraulically operated creep gear range
- Electrohydraulic operation of PTOs and PTO speed pre-selection
- Up to three PTO speeds
- Automatic PTO engagement/disengagement

### Hydraulics.

- Full range of equipment options for the hydraulic system:
  - Open hydraulic system with 60 or 98 l/min delivery rate
  - Closed load-sensing system with 110 l/min delivery rate and Power Beyond connections
  - Up to four electronic spool valves at the rear plus two for the front loader
  - Up to three mechanical spool valves at the rear plus two for the front loader
  - Integrated front loader or spool valve control available with the multifunction control lever



### Comfort and cabs.

- Four different cab types in high- and low-roof versions:
  - Exclusive PANORAMIC cab with extensive, continuous 90° upward and downward field of view and no cross-struts to get in the way. Perfect for front-loader work
  - Low-roof versions from 2.48 m overall height (only available in the ARION 420/410)
- Ergonomic multifunction control lever for all the main functions
- PROACTIV front axle with independent wheel suspension for greater safety and lower vibration
- Front and rear linkage suspension

### Two configuration options:

#### **ARION 400 CIS (CLAAS INFORMATION SYSTEM):**

- QUADRISHIFT powershift transmission
- QUADRACTIV powershift unit and additional functions
- CIS on-board computer
- Multifunction control lever as standard, optionally with ELECTROPILOT or FLEXPLOT function
- Mechanical or electronic spool valves
- The optimum tractor for users with demanding requirements

#### **ARION 400:**

- QUADRISHIFT powershift transmission
- Multifunction control lever as standard, optionally with integral FLEXPLOT function
- Mechanical spool valves
- The optimum tractor when tasks and drivers change frequently, e.g. on mixed farms

### Extensive choice.

The ARION 400 is not the only tractor with plenty to offer. The 4-cylinder range from CLAAS has just the right tractor for every user, from the compact ELIOS to the impressive ARION 500 delivering up to 163 hp. Discover the whole range on our website at [claas.com](http://claas.com).

# CPS – CLAAS POWER SYSTEMS.

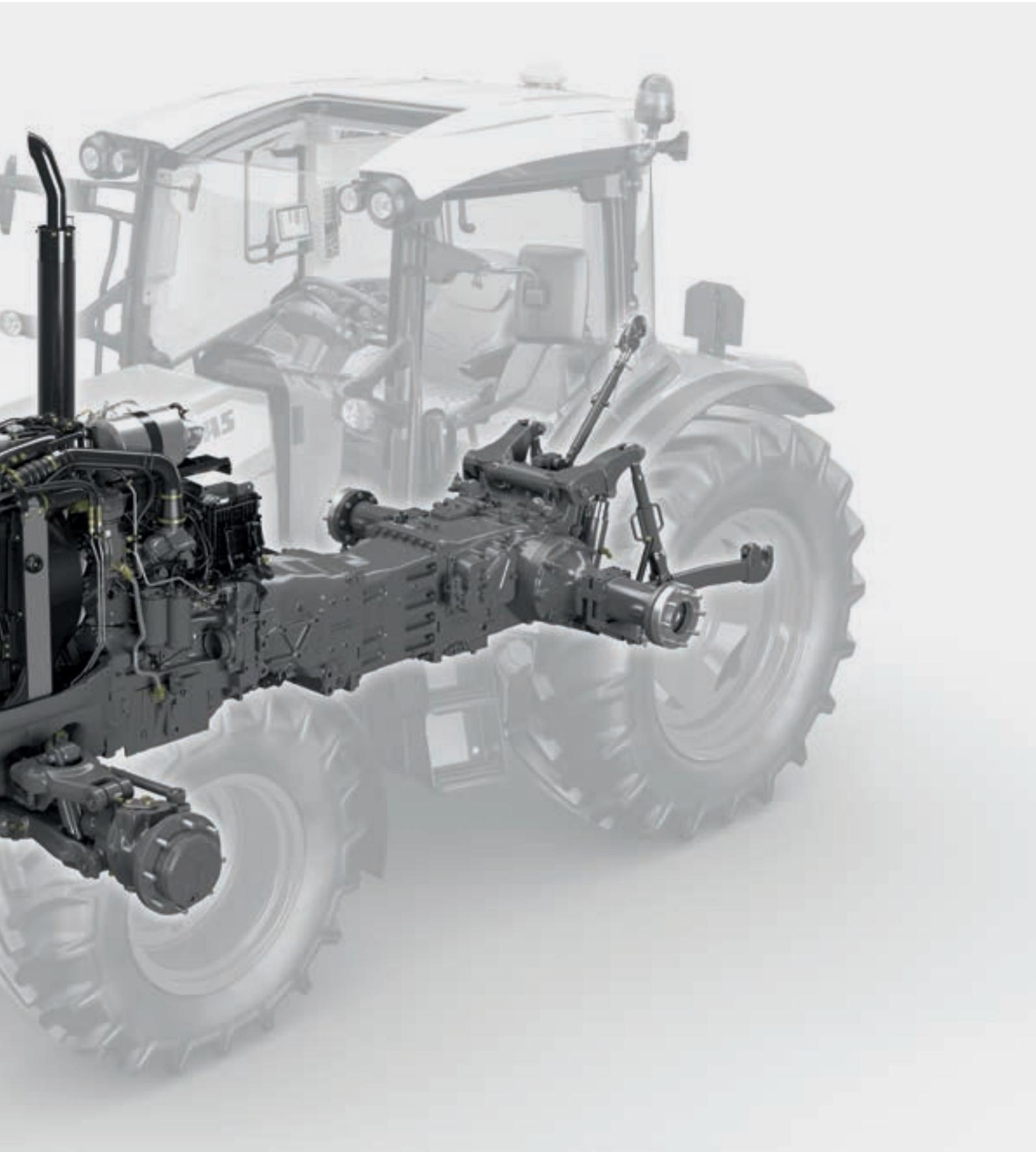
## Optimised drive for outstanding results.

The CLAAS machinery development programme constantly strives to maximise efficiency, improve reliability and optimise cost-effectiveness. CLAAS POWER SYSTEMS (CPS) bring together top-quality components to create a drive system that sets new standards – and always delivers maximum power when it is needed. CPS is ideally matched to the working system, featuring fuel-saving technology that quickly pays for itself.

 For further information please visit: [arion400.claas.com](http://arion400.claas.com)



**CPS** | CLAAS  
POWER  
SYSTEMS



# Constant output is just as important as pure power.

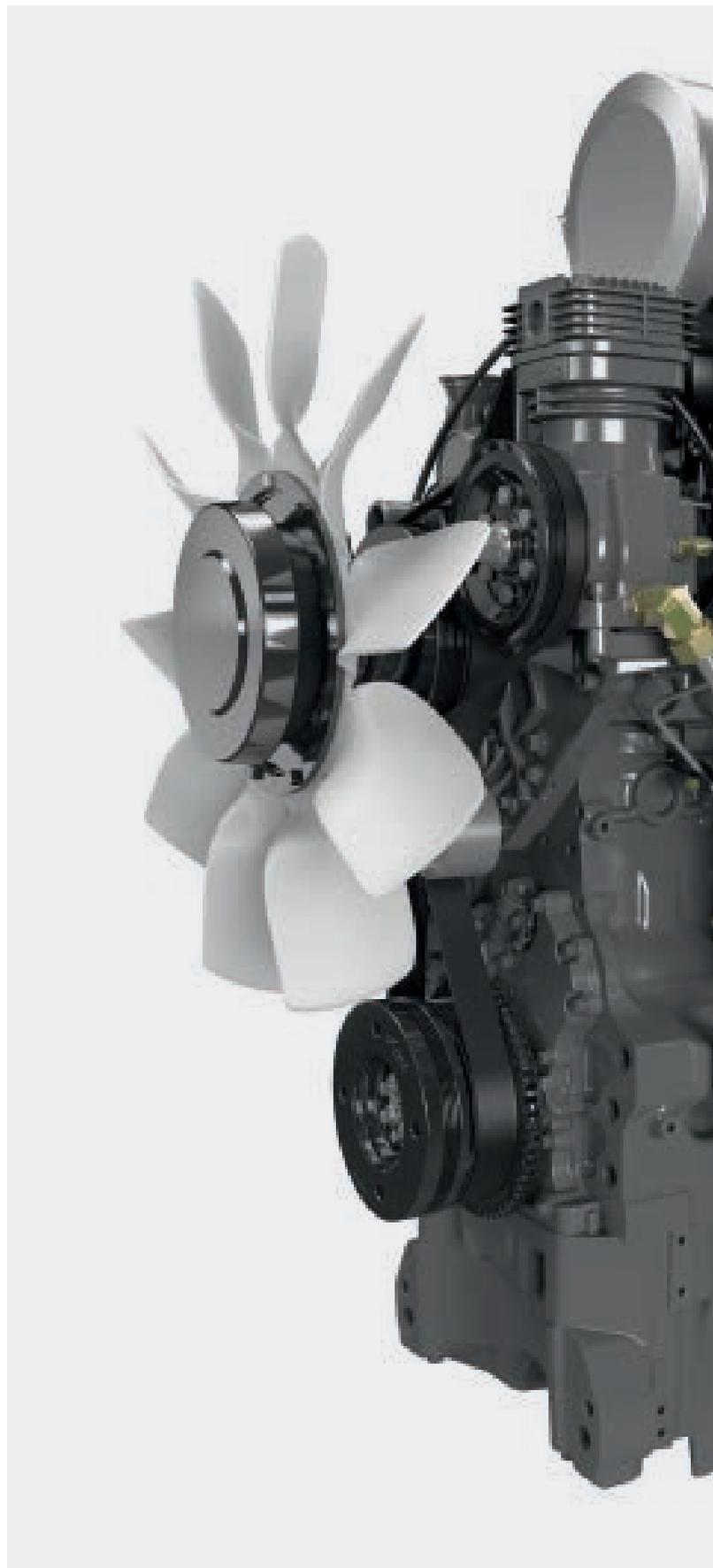
## Strong at heart.

Under the bonnet, all models feature engines from FPT (Fiat Powertrain Technologies) with a cubic capacity of 4.5 litres and all the latest technology.

- 4-valve technology
- 1,600 bar high-pressure common rail injection
- Turbocharger (ARION 420 / 410)
- Turbocharger with wastegate (ARION 460-430)
- Intercooler
- Meets the Stage IV (Tier 4) emissions standard thanks to SCR and DOC catalytic converters

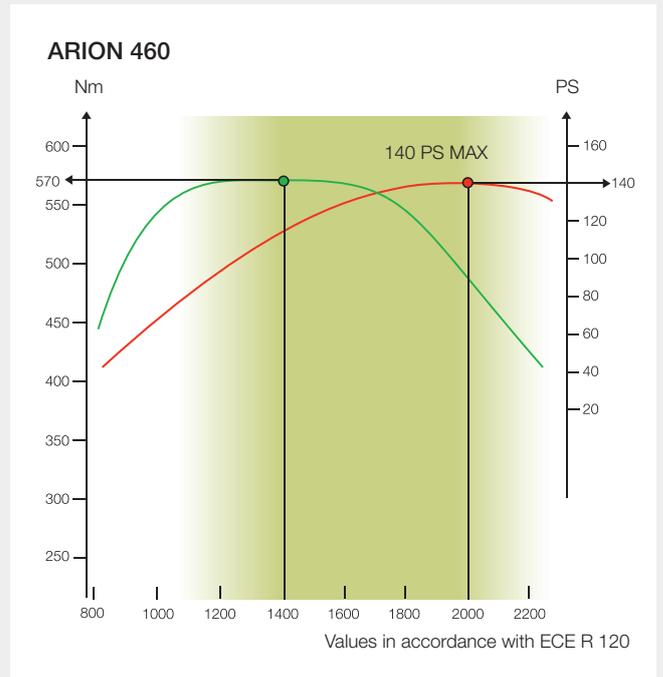
## Constant output.

The CLAAS-specific engine performance curve provides full torque in a wide engine speed range, guaranteeing constant output and power delivery when they are needed. This makes it easy to save fuel while working at a low engine speed and maximum torque with the ECO PTO, or to work at rated speed with a full reserve.





| ARION | Rated output | Maximum output | Maximum torque |
|-------|--------------|----------------|----------------|
|       | (hp)         | (hp)           | (Nm)           |
|       | ECE R 120    | ECE R 120      | ECE R 120      |
| 460   | 135          | 140            | 570            |
| 450   | 125          | 130            | 525            |
| 440   | 115          | 120            | 480            |
| 430   | 105          | 110            | 434            |
| 420   | 95           | 100            | 405            |
| 410   | 85           | 90             | 375            |



# Cleaning up.

## Stage IV (Tier 4).

The ARION 400 meets the Stage IV (Tier 4) emissions standard. Compliance with Stage IV (Tier 4) means that particulate matter and NO<sub>x</sub> emissions have been reduced significantly to almost zero.

## SCR – the urea-based solution.

SCR stands for selective catalytic reduction, a process in which nitrogen oxides are converted into water and pure nitrogen. This is achieved by using a synthetic aqueous solution of urea (AdBlue®<sup>1</sup>), which is carried in an additional tank. Exhaust gas aftertreatment enables the combustion process in the engine to function at the optimum level.



- 1 Diesel oxidation catalytic converter (DOC)
- 2 Urea injector nozzle
- 3 SCR catalytic converter
- 4 Heated urea tank

1 AdBlue® is a registered trademark of the VDA.



### Fully integrated SCR system.

When designing the ARION 400, all the components required for exhaust aftertreatment were considered from the outset. Full visibility and accessibility are therefore guaranteed. The diesel oxidation catalytic converter (DOC) is positioned under the bonnet immediately behind the turbocharger because it needs high exhaust temperatures to produce an optimum reaction. The SCR catalytic converter is an integral part of the exhaust system and is located on the right-hand side of the tractor.

### Never lets you down.

The urea tank is heated as standard, guaranteeing perfect operation throughout the winter months. The pipes for the SCR system are also rinsed after each use to guarantee full operational reliability at all times.



The fuel and urea solution levels are displayed at a glance on the instrument panel.

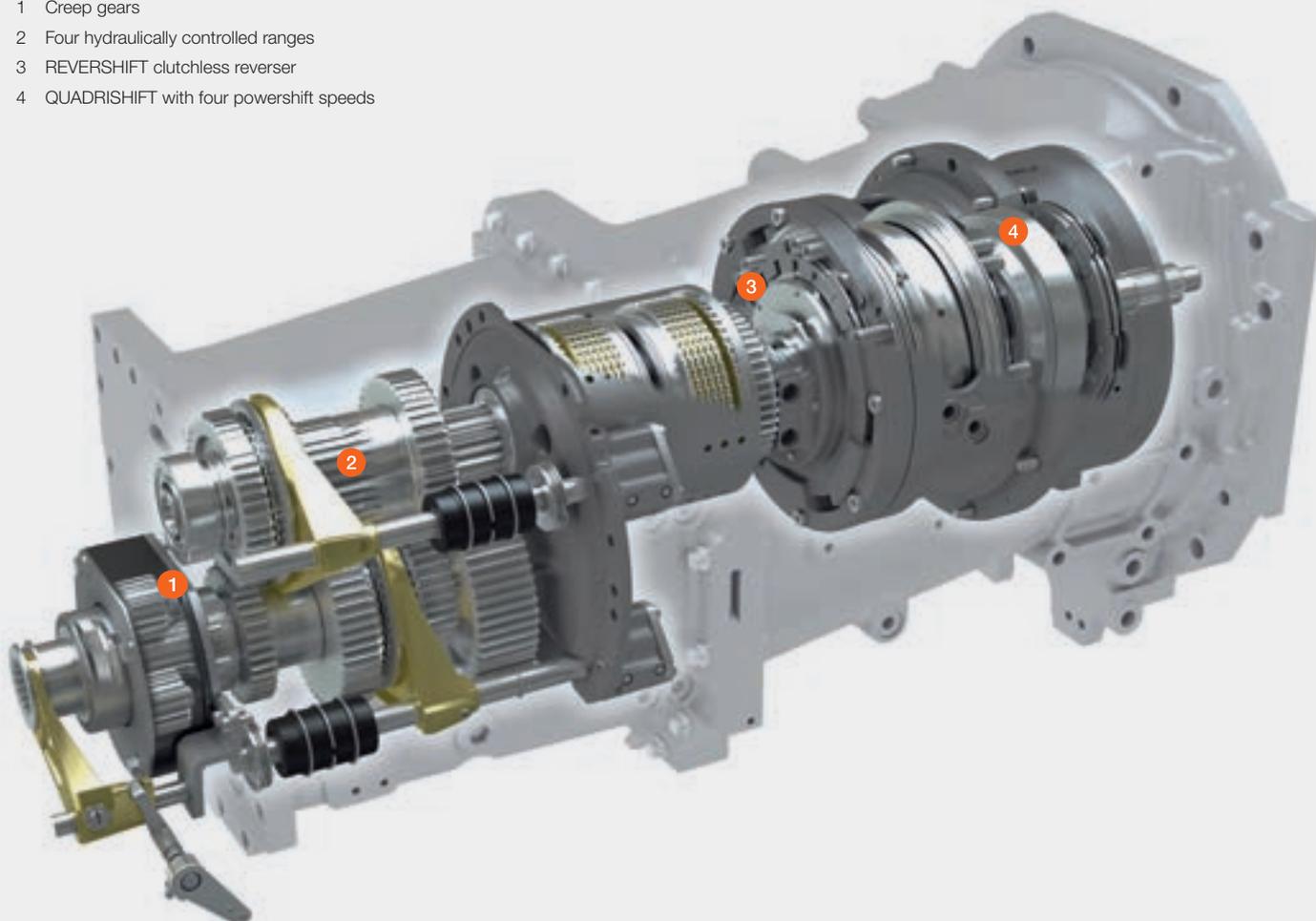


Filler necks for 17 or 23 l urea solution and 142 or 196 l fuel by the cab access on the left.

# QUADRISHIFT.

For maximum efficiency.

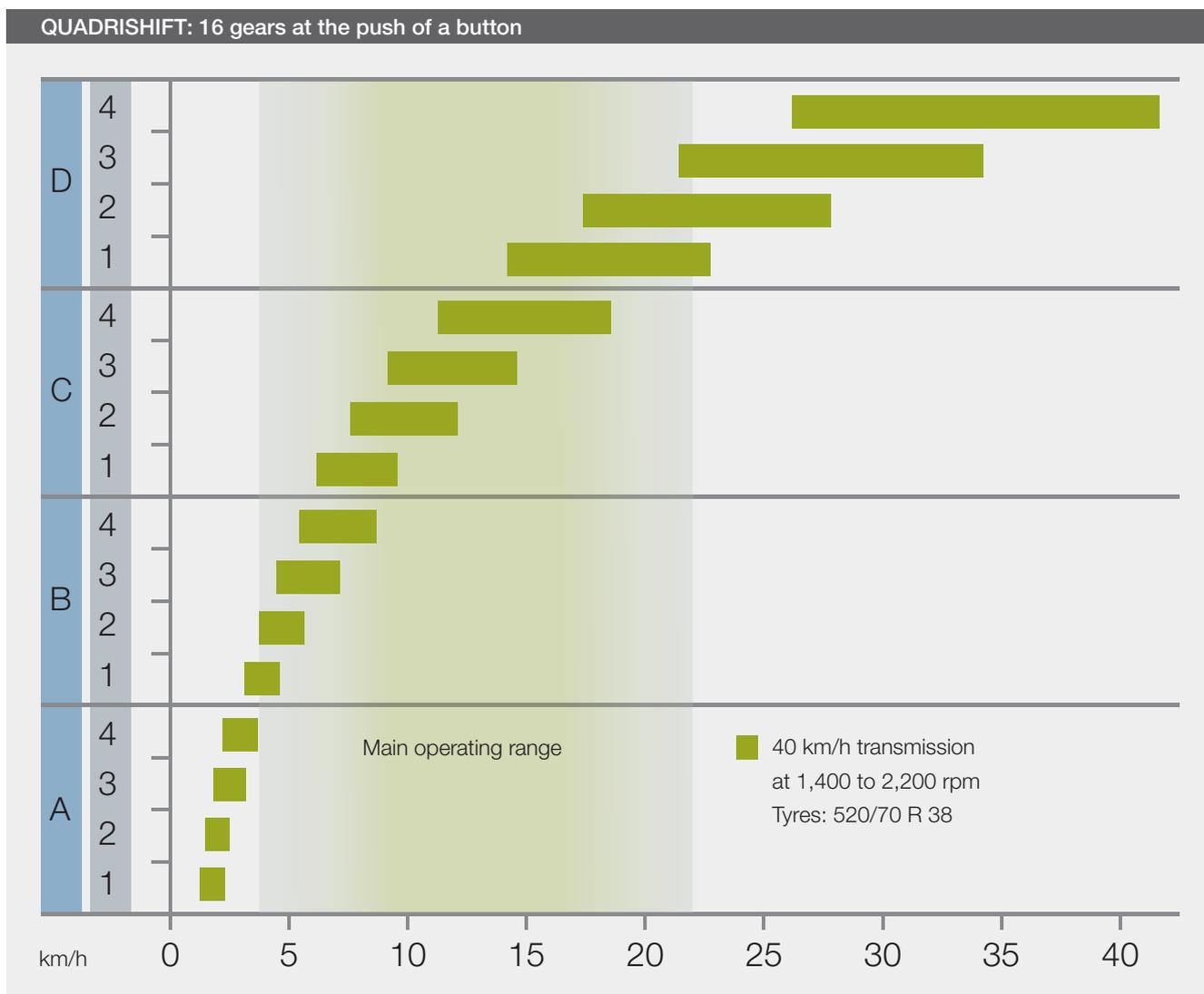
- 1 Creep gears
- 2 Four hydraulically controlled ranges
- 3 REVERSHIFT clutchless reverser
- 4 QUADRISHIFT with four powershift speeds



## The transmission. Technology for demanding work.

With the QUADRISHIFT transmission you can drive within the four powershift speeds without cutting the power flow and can optimally match your forward speed to the conditions on the ground. On the road or around the farm, you can comfortably select any one of four hydraulically selected ranges without having to use the foot clutch. Overlapping of the powershift speeds means that the full output potential of the engine can be utilised. This overlap also allows you to change range smoothly on the road.

Ranges and powershift speeds are shifted manually using the rocker switch on the multifunction control lever – making range shifting with the clutch and gear lever a thing of the past. Optionally, you can also leave transmission control to the QUADRACTIV powershift unit, allowing you work efficiently in a relaxed frame of mind. Where control, efficiency and versatility are concerned, the ARION 400 is in a class of its own.



### The benefits for you.

- Four powershift speeds and four hydraulically shifted ranges
- 16 forward and reverse gears, all shifted without a clutch pedal
- CLAAS power train management for smooth changes in range and powershift operations
- Multifunction control lever for maximum convenience
- REVERSHIFT clutchless reverser for effortless direction changing
- Automatic speed matching
- Fully automatic shifting with QUADRACTIV powershift unit
- Convenient configuration options for transmission management with the CIS on-board information system
- Excellent efficiency in the field and on the road for low fuel consumption
- Two transmission sizes matched to tractor output for an optimum power-to-weight ratio
- Optional creep gear from 140 m/h

# QUADRISHIFT.

Always in the right gear.



## Automatic transmission control.

So that you don't have to move through every gear (as in a conventional powershift transmission), when you shift between ranges the QUADRISHIFT transmission automatically selects the most appropriate gear depending on forward speed and load – regardless of whether you are driving manually or automatically.

If you press the clutch in range D, the transmission automatically adjusts the powershift speed when the clutch is re-engaged. This can be very useful, e.g. when approaching a junction.



## Everything under control.

The ergonomic multifunction control lever enables you to carry out all range shifting and powershift operations with maximum convenience, and also accommodates other important functions so you hardly ever have to move your hands. You can select 16 forward and reverse gears with one fingertip using the two-stage rocker switch on the multifunction control lever, without touching the clutch pedal:

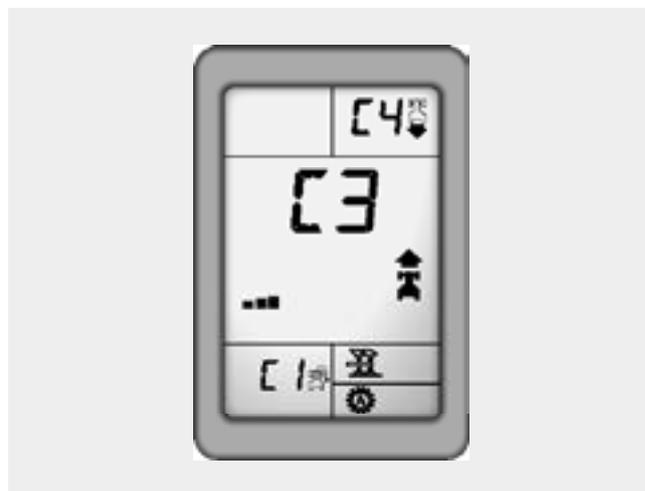
- Stage 1 (blue): shift powershift speeds up and down
- Stage 2 (green): shift ranges up and down



More options with CIS (CLAAS INFORMATION SYSTEM).

### Intelligent gear selection.

When using the clutchless reverser, you can even change gear automatically when you want the forward speed to be different from the reverse speed (e.g. for front loader work). At the headland, you can also engage a pre-selected gear (headland gear) simply by pressing a button. In tractors with the CIS on-board information system, all transmission information is shown on the additional display in the right-hand A-pillar.



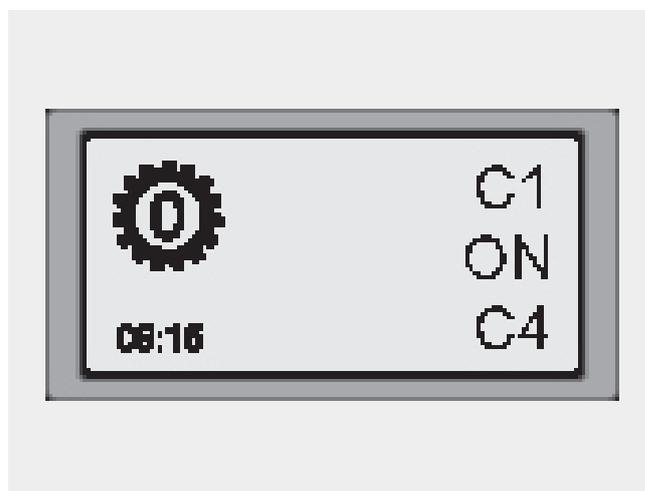
### Progressive REVERSHIFT.

When changing direction, the tractor should respond differently depending on the load and the job in hand. Whether you want a smooth change of direction on the headland or a fast change of direction on the clamp – with CIS anything is possible. The aggressiveness of the REVERSHIFT clutchless reverser is therefore adjustable in nine steps (-4 to +4), providing optimum ride comfort in all situations.



### QUADRACTIV start-up gear and approach gear.

The start-up gear required when starting the engine is freely selectable between A1 and D1. It is engaged automatically every time you start the engine. A separate approach gear can also be selected when operating with the QUADRACTIV powershift unit activated. This gear is automatically engaged as soon as the tractor comes to a standstill.



# QUADRACTIV changes gear for you.



## QUADRACTIV powershift unit.

Because you've got more important things to do, you can leave the QUADRACTIV to change gear automatically. If your ARION 400 has the CIS, the QUADRACTIV powershift unit can be set up with a wide range of well-designed functions according to driver preference and the job in hand.

The operator can choose between three powershift unit modes via the CIS:

- 1 Fully automatic: QUADRACTIV shifts for variations in engine speed depending on engine load, vehicle speed and the driver's preference / accelerator position
- 2 PTO mode: QUADRACTIV shifts in such a way as to ensure the engine speed / PTO speed remain as constant as possible
- 3 Manual mode: QUADRACTIV shifts according to a fixed engine speed which the driver can program in the CIS





Manual shifting

Driving modes



Manual shift in field mode

Mode



Shifting

- Shift range by pressing the rocker switch hard
- Powershift shifting (1-4) by tapping the rocker switch



Manual shift in transport mode



- Shift range by pressing the rocker switch hard
- Shift through all 16 gears (powershift speeds and range shifting) by tapping the rocker switch

QUADRACTIV powershift unit

Driving modes



Automatic shift in field mode

Mode



Shifting

- Shift range by pressing the toggle switch hard
- Automatic powershift shifting (1-4)



Automatic shift in transport mode



- Automatic range shifting
- Automatic powershift shifting (1-4)



The switch to activate the QUADRACTIV powershift unit is positioned within easy reach on the control panel



Switch the transmission between transport and field mode

# CLAAS tractor concept for greater flexibility.

## The CLAAS tractor concept.

Thanks to the ARION 400, the technology from the larger performance class is now available in the smaller horsepower. The CLAAS tractor concept offers significant benefits which give you a clear competitive edge. The combination of a long wheelbase and optimum weight distribution (50% at the front, 50% at the rear) with a compact overall length provides a high degree of versatility while maintaining distinct performance advantages.

### Long wheelbase and excellent weight distribution:

- Excellent ride comfort
- Good and safe road handling
- More pulling power and performance as less ballast is required
- Greater stability for a higher lifting capacity
- Optimised fuel consumption
- Lower ballast requirement protects the soil and guarantees dynamic road transport

### Short overall length:

- Good manoeuvrability
- Short trailer combination on the road
- Good visibility
- Good guidance of front-mounted implements



## A broad base.

The ARION 400 can be fitted with 38" rear tyres up to a diameter of 1.85 m. With a wide range of options, the ARION 400 is ready for any job, whether you choose road-optimised tyres with an industrial tread or low-compaction field tyres up to 600 mm wide.

## Safe on the road.

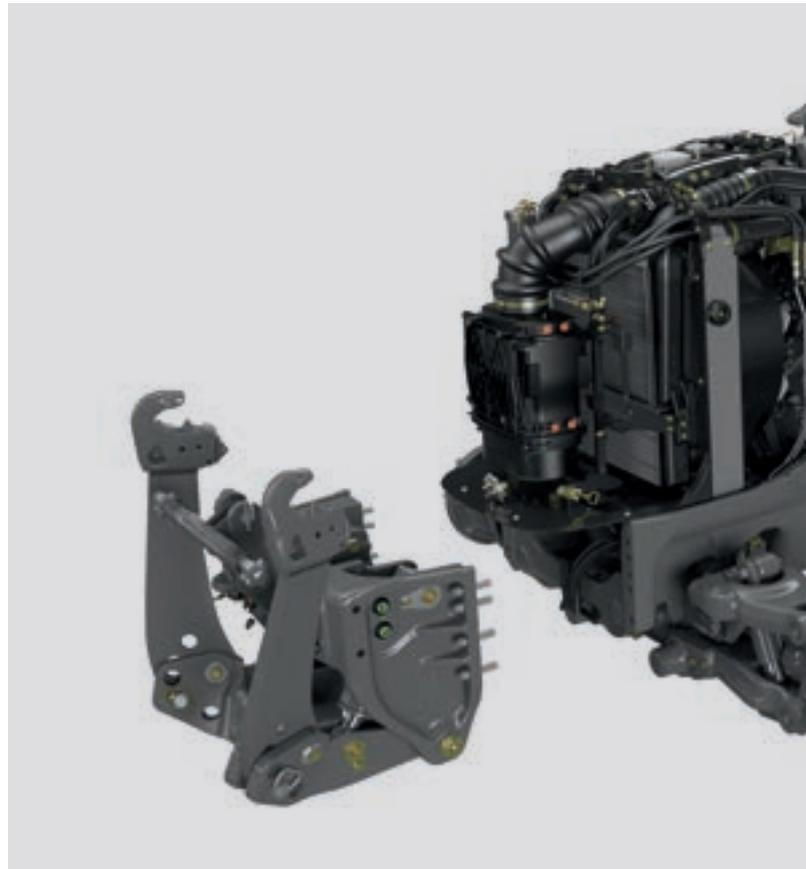
The brakes cope with the low tare weight from 4.6 t and maximum permissible gross weight of 8.5 t with an optimum level of safety and stability, assisted by automatic four-wheel drive engagement on braking and the hydraulically supported high-pressure service brake. During braking, the front axle suspension automatically adjusts to the change in load; the tractor therefore retains its normal stability and safety even during sharp braking manoeuvres.



▶ For further information please visit: [arion400.claas.com](http://arion400.claas.com)



# Stable. Manoeuvrable. User-friendly.



## Slim waist for tight turns.

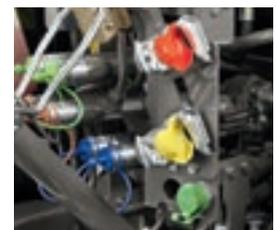
CLAAS has designed a perfectly tailored solution specially for you, drawing on its combined experience in developing standard tractors to over 400 hp.

The new ARION 400 is an extremely robust and flexible tractor which makes your work as enjoyable as possible. Its sturdy cast frame with integral engine oil sump absorbs all the forces from the front linkage, front loader and front chassis. The front loader brackets are bolted directly onto the engine frame and transmission, allowing a front loader or front linkage to be retrofitted simply at any time.

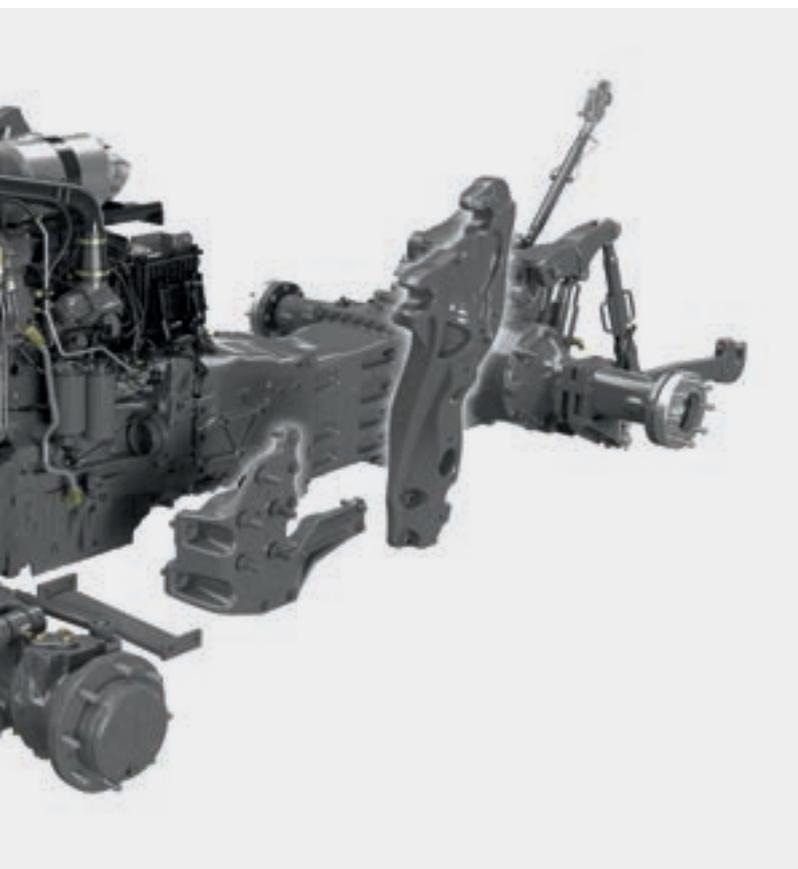
The specially shaped front chassis provides plenty of space for the radiators immediately above the front axle. In front and behind it is designed to be very narrow, like a wasp waist. Together with the compact design of the ARION 400, this gives an excellent steering lock angle and small turning circles.



The engine oil dipstick is easy to reach even when a front loader is fitted.



Air brakes and hydraulic brakes are also available in combination.



In practice, this means:

- Maximum stability even when using heavy front-mounted implements and front loaders
- Excellent steering lock angle even with wide tyres, for maximum manoeuvrability
- Turning radius from just 4.4 m (420 / 410) or 4.5 m (460–430)
- Unrestricted access to the entire engine compartment and all maintenance points

### Safe transport.

Thanks to its stable construction, the ARION 400 is capable of pulling and transporting almost anything. It can be fitted with a pneumatic and a hydraulic trailer brake system to meet any requirements. Both systems can be operated simultaneously and the connections are easily accessible at the rear of the tractor.

- Trailer couplings available: drawbar, CUNA coupling, K80 ball head coupling, automatic or manual pin coupling, pickup hitch, Piton Fix



Pickup hitch



Wide range of hitching systems, e.g. with Piton Fix.

# Handle any implement. The rear linkage and PTO.



## A strong team.

The electronic rear linkage has a maximum lifting capacity of 4.6 or 5.75 t, making it capable of handling any implement. The external controls for the rear linkage and PTO are conveniently located on both mudguards. Practical holders for the lower link balls are also provided at the rear.

The rear linkage equipment meets every requirement:

- Manual or automatic lower link stabilisers
- Robust and simple top link holder
- Practical bracket for balls at rear
- External controls for the rear linkage and PTO on both mudguards

## Three-way convenience: the controls.

The electronic rear linkage has three types of controls:

- 1 On the ergonomic multifunction control lever you can access the raise quickly, quick entry and working position functions for the rear linkage and stop them with the stop button.
- 2 On the control panel on the right-hand side console you can also activate the raise quickly, quick entry and working position functions for the rear linkage and press the stop button. The slide controller for depth control of the rear linkage, the hand throttle and other controls are also located here. This is particularly useful when working on the headland.
- 3 The rear linkage controls used during implement attachment are handily positioned on the right-hand B-pillar, as the driver turns round anyway when attaching implements.

Controls for the rear linkage and PTO are available for both mudguards. The left mudguard has a holder for four lower link balls.



The rear linkage can be operated from the side console or the multifunction control lever.





### Always at the right speed.

- 540 rpm and 540 rpm ECO
- 540/540 ECO and 1,000 rpm

The PTO speed is easily pre-selected by pressing a button on the right-hand B-pillar. A switch in the right side console switches the PTO on. Automatic PTO engagement/disengagement can be adjusted continuously according to rear linkage height. Simply move the rear linkage to the position required and press and hold the automatic PTO button – the engagement/disengagement position specified is now saved.

Implement attachment is very straightforward as the PTO stub rotates freely.

### Standing start.

The ARION 400 transfers its full output to the PTO when it is stationary and also at low forward speeds. In ECO PTO mode the engine runs at a low, fuel-efficient speed. During light applications, the lower engine speed can reduce noise levels and save valuable fuel: 540 rpm ECO at 1,530 engine rpm.

With a maximum lifting capacity of 5.75 t (460–430) or 4.6 t (420 / 410) the ARION 400 can handle any implement.



PTO engagement/disengagement is activated on the right-hand side console.



# Greater versatility. More applications.



## Integrated front linkage.

For safe, efficient work you need a powerful connection between the tractor and implement. The linkages on the new ARION 400 provide an excellent starting point. The compact, fully integrated front linkage has a maximum lifting capacity of 2.8 t. It also has external controls (only with electronic spool valves). The same applies to stop actuation for the 1,000 rpm front PTO. One spool valve and an open return line can also be specified.

## Front linkage and front PTO.

- Three positions for the front lower link: folded up, fixed working position and float position in slotted hole
- Double-acting lift ram as standard
- Short distance between front axle and mounting points for improved guidance of front attachments
- 1,000 rpm PTO with external stop actuation
- External controls for the front linkage (with electronic spool valves in the CIS version)



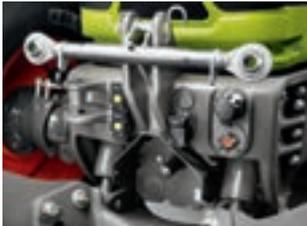
## Always connected.

Hydraulic and electrical interfaces for many applications are incorporated into the front linkage:

- Double-acting spool valve
- Free-flow return line
- 7-pin socket
- 12 V / 25 A socket



Versatility in every application with the powerful front linkage.



Many connections are already installed at the front end to make coupling easier.



The stop and switching valve for the front linkage is easy to reach from the cab.



The front linkage can also be operated externally via electronic spool valves.

# A perfect fit. The CLAAS front loader.



No compromises.  
Even in front loader work.

For front loaders, in particular, the connection to the tractor is extremely important in order to guarantee safe, fast loading operations. When developing the ARION 400 series, it was therefore very important for the attachment brackets to be fully integrated into the complete tractor concept. The brackets are positioned a long way back, providing stability during heavy work. The robust connection to the innovative engine frame does not compromise steerability or ease of maintenance. With the new attachment bracket design, a CLAAS front loader can easily be retrofitted at a later date.

## Two operating options.

The CLAAS front loader on your ARION 400 is operated via the multifunction control lever which is integrated into the armrest as standard. Depending on the equipment installed, you can choose between the FLEXPILLOT (hydraulically pilot-operated valve control) or ELECTROPILOT (electronic valve control). Both systems are very easy to use because the control functions are extremely smooth and easy to regulate.



Everything from a single source.

The unique multifunction control lever combines control of the front loader with control of the transmission, engine and rear linkage. Your right hand stays comfortably positioned on the multifunction control lever – for faster loading. Naturally, the third and fourth front loader functions are integrated into the multifunction control lever. Your left hand steers and operates the REVERSHIFT lever when changing direction. For continuously variable restriction of the maximum lifting and lowering speeds when using the ELECTROPILOT, the flow rates to the electronic spool valves for the front loader are easily adjusted in the CIS.

## Low roof opens doors.

Low buildings are no obstacle to the ARION 420 and ARION 410: with the low-roof cab it can fit through doors which are only 2.48 m high. Thanks to the transparent sunroof, the driver still has excellent visibility.



The PANORAMIC and high-roof cabs can pass through doors from 2.70 m high.



With the low roof, even low buildings are no obstacle.



Strong plus points.

- Front loader brackets and controls can be factory-fitted
- All cabs are tested to FOPS guidelines (Falling Object Protective Structure)
- Two convenient control options available on the multifunction control lever: ELECTROPILOT or FLEXPILLOT
- PCH hydraulic self-levelling linkage on FL front loaders or PCM mechanical self-levelling linkage on FL C models
- Active Control System (ACS) automatically returns the front attachment to the starting position at the touch of a button
- With the Synchro Control System (SCS) the implement angle and third function can be controlled simultaneously with a single control movement. This makes it much easier to empty a grab bucket, for example.
- FITLOCK system for quick and convenient fitting / removal

- MACH quick-attachment coupler for electrical and hydraulic connections
- FASTLOCK hydraulic locking for implements
- SPEEDLINK for automatic locking and connection of all hydraulic and electric connectors on the implement
- SHOCK ELIMINATOR for vibration damping
- Wide selection of attachments
- And not forgetting the full CLAAS service

| ARION | FL 120 / FL 120 C        | FL 100 / FL 100 C        | FL 80 / FL 80 C          |
|-------|--------------------------|--------------------------|--------------------------|
| 460   | <input type="checkbox"/> | -                        | -                        |
| 450   | <input type="checkbox"/> | <input type="checkbox"/> | -                        |
| 440   | <input type="checkbox"/> | <input type="checkbox"/> | -                        |
| 430   | <input type="checkbox"/> | <input type="checkbox"/> | -                        |
| 420   | -                        | <input type="checkbox"/> | <input type="checkbox"/> |
| 410   | -                        | <input type="checkbox"/> | <input type="checkbox"/> |

Available - Not available

# Hydraulics on demand.



## Variety included.

With the ARION 400 you can choose between three different hydraulic circuits:

- 60 l/min with open hydraulic system
- 98 l/min with open hydraulic system and electronic pump aggregation
- 110 l/min with load-sensing system

Up to three mechanical or six electronic spool valves are also available. With the ARION 400 you can choose between a number of hydraulic equipment options and customise your tractor to suit the work you do on your farm: as an all-rounder with a front loader or as a field work specialist. Whether you want the convenience of high-tech solutions or the efficient basic version, the ARION 400 is always the perfect fit.

## Simple, clean connections.

The spool valves at the rear of the ARION (up to four) are easy to connect. The coloured markings on the inlet and outlet sides make it easier to attach implements correctly.

## Well metered.

An open hydraulic circuit with a hydraulic flow of 60 l/min is available as standard. The optional 98 l/min open hydraulic circuit operates as a twin-pump system. The first pump serves the rear linkage, while a second pump provides flow to the hydraulic spool valves. This allows the ARION 400 to perform these two functions simultaneously.



Implements with a high hydraulic power requirement are supplied by the load-sensing system via the Power Beyond connections.

|   | CIS                                   |   | Standard                              |
|---|---------------------------------------|---|---------------------------------------|
|   | Electronic spool valves               | Mechanical spool valves                                 | Mechanical spool valves               |
| Number of spool valves<br>(incl. 2 for optional front loader)           | max. 6                                | max. 5  | max. 5                                |
| ELECTROPILOT in the multifunction control lever                         | <input type="checkbox"/>              | –   | –                                     |
| ELECTROPILOT in the multifunction control lever (for front loader only) | <input type="checkbox"/>              | <input type="checkbox"/>                                | –                                     |
| FLEXPILOT in the multifunction control lever (for front loader only)    | –                                     | <input type="checkbox"/>                                | <input type="checkbox"/>              |
| Flow rate adjustment  | <input type="checkbox"/> (electronic) | <input type="checkbox"/> (mechanical and/or electronic) | <input type="checkbox"/> (mechanical) |
| Time setting  | <input type="checkbox"/>              | –   | –                                     |
| External controls for front linkage                                     | <input type="checkbox"/>              | –   | –                                     |

Available – Not available

For intensive front loader work or special hydraulic applications, the entire delivery rate can be directed to the spool valves. A 110 l/min load-sensing system is available for top hydraulic performance; in this system the variable hydraulic pump only supplies the volume of oil that is really needed.

For implements with their own control units, Power Beyond connections for the load-sensing circuit are provided at the rear. The implement then controls its own oil requirement, making permanent oil circulation unnecessary.

The advantages:

- Hydraulic oil is supplied to the attached implement as required
- Large-diameter lines, flat-seal couplings and non-pressurised return flow reduce power losses



### A question of settings.

Each mechanical spool valve has its own rotary switch. The function options for each spool valve are selected using the rotary switch allocated to it:

- Rotary switch in position III: Pressure – / Neutral / Pressure + / Float position
- Rotary switch in position III: Pressure – / Neutral / Pressure +
- Rotary switch in lock position: Spool valve locked in pressure position for permanent operation or in neutral position

The electronic spool valves are operated by the proportional-control rocker switches in the side console and the ELECTROPILOT, which is integrated into the multifunction control lever.

# Built with you in mind. The cab.

The ARION 400 models from CLAAS mark the début of a completely new generation of cabs in the medium and upper 4-cylinder class which are designed to meet every possible requirement. The cab was developed in conjunction with farmers all over Europe, with the PANORAMIC version offering a completely new feeling of space and visibility.

- Outstanding all-round view thanks to 6-pillar cab with very slim pillars
- Excellent access to the cab via the steps
- A quiet, comfortable workplace
- Armrest with integral multifunction control lever is standard equipment





# More than a workplace. The cabs.



## Greater comfort makes you more productive. The 6-pillar cabs.

Tractor drivers often work very long days. To stay healthy, they need a suitable workplace which can be adjusted flexibly to suit the broad spectrum of work performed by the tractor. The 6-pillar cab makes it possible to work in comfort and even satisfies the needs of highly demanding drivers – with optimum visibility, maximum protection and a very high level of comfort.

- Continuous or opening front windscreen
- Six narrow pillars for 360° visibility
- Doors with a wide opening angle – thanks to the 6-pillar design, they only protrude a short distance beyond the tractor contours even when open
- Easy access from both sides of the tractor
- All cab versions conform to FOPS (Falling Object Protective Structure) for protection against falling objects
- Spacious cab design offers extra room
- Steering column is easily adjusted by pressing a pedal
- Cooled drinks compartment under the passenger seat

The tapered bonnet provides optimum visibility as it becomes narrower towards the bottom and towards the driver.



The low- and high-roof cabs can also be fitted with an opening front windscreen.





## Four cab versions.

The new ARION 400 offers four different cab versions. Just choose the one that suits you best:

- PANORAMIC cab with continuous windscreen right through to the glass roof for maximum visibility, with a minimum overall height of 2.70 m
- High-roof cab with roof hatch and a minimum overall height of 2.70 m; with optional opening windscreen
- Low-roof cab<sup>1</sup> with or without transparent sunroof, with a minimum overall height of 2.48 m; with optional opening windscreen
- 5-pillar cab<sup>2</sup> with roof hatch, large continuous and shatter-proof side window made from polycarbonate and a minimum overall height of 2.70 m; ideal for municipal work

## NEW: superb visibility with the PANORAMIC cab.

Ideal for all front-loader work: the continuous field of view covers a 90° angle from the driver's perspective. This unique cab design has no cross beams to get in the way and offers an extremely high level of safety and comfort. From the floor through to the roof, the continuous 2.41 m<sup>2</sup> glass front guarantees optimum visibility. The minimum clearance height of the PANORAMIC cab is 2.70 m.

<sup>1</sup> Only available with ARION 420 and 410

<sup>2</sup> Only available with ARION 450 and 440



# Ergonomics and comfort for optimum working conditions.



Comfortable and safe – right from the start.

The 6-pillar cab design allows the door to open wide with little overhang. This makes it easier to access the cab and protects the door from damage. Dirt-resistant steps and robust handrails provide a high level of safety wherever you are working – in the field or in the yard.



First class comfort.

Many features of the ARION 400 environment make it the ideal choice for long working days. A large number of storage options mean that the driver can always find space for a mobile phone or documents. Under the passenger seat there is a cooler compartment which has room for a 1.5 l bottle and snacks. Perfect for your lunch break.



The comfortable passenger seat is padded and has an easy-care fabric cover.



The cab has power sockets and connections for ISOBUS-enabled terminals.



Handy document storage compartment in the right-hand side console.



Simply press the middle foot pedal and the steering column automatically swings upwards, making it easy to leave the cab.



### Clear and logical layout.

When you press the small pedal underneath the steering column the entire steering column pivots upwards, allowing plenty of room to enter and leave the cab. It can be returned to the optimum position when you start work. Another lever on the steering column enables you to adjust the height of the steering wheel. The instrument panel is always in the perfect position for viewing because it is mounted on the steering column and moves with it.



### A pleasant working environment.

The standard equipment on all ARION 400 models includes a highly efficient heating/ventilation system with continuously variable fan control. An air-conditioning system is naturally available on request.

The components of the air conditioning system are built into the double-insulated cab floor. This allows optimum air flow distribution in the cab and significantly reduces the noise level from the ventilation system. As no components are built into the roof, the driver enjoys additional headroom and an enhanced feeling of space.



Plenty of ideally positioned air outlets in the cab provide a pleasant working environment without unpleasant draughts.



The modern radio can be fitted with a USB port, AUX input, SD card reader and Bluetooth on request.

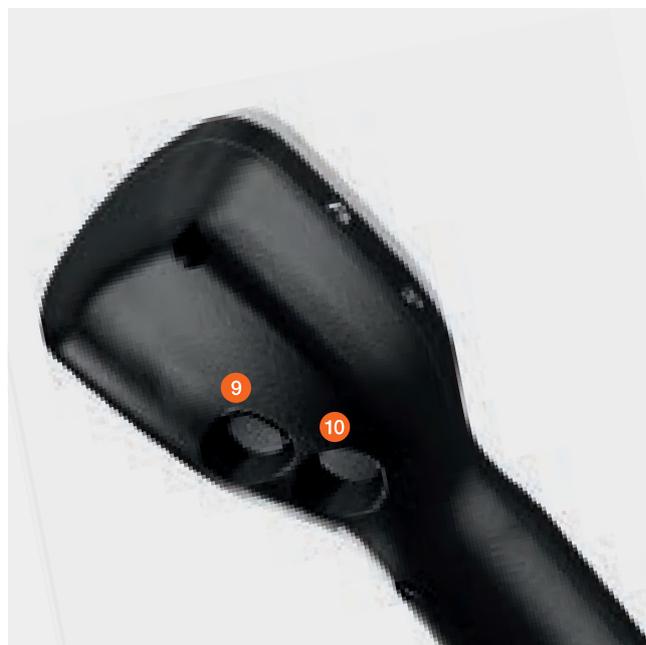
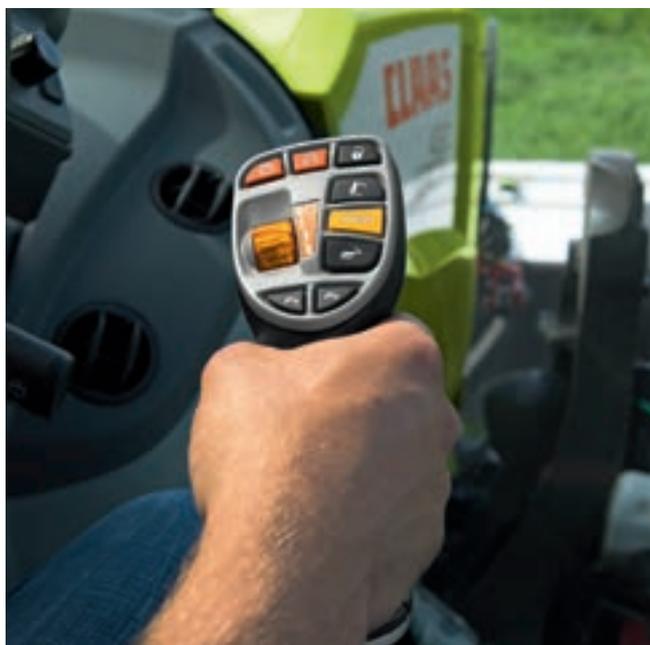


Switches for the work lights are conveniently positioned on the left-hand B-pillar.



Handy storage compartments on the left side console ensure that everything is within easy reach. A 12 V socket is provided for charging mobile phones.

# Everything in one place. The multifunction control lever.



## Simple. Ingenious.

The newly developed multifunction control lever makes control of the transmission, front loader, rear linkage and spool valves more straightforward and user-friendly than ever, so you only need your left hand for steering and to operate the REVERSHIFT lever when changing direction.

Your right arm lies comfortably on the armrest while you control all the frequently used functions of your ARION 400 with utmost convenience using the multifunction control lever. The height and position of the armrest can easily be adjusted to the driver's requirements.

The four-way control function of the multifunction control lever also allows two spool valves to be operated on demand: either via the hydraulically pilot-controlled FLEXPILLOT function for the front loader or via the electronic ELECTROPILOT function for the front loader and rear spool valves.

## Features of the multifunction control lever:

- 1 Five-position rocker switch to control the powershift speeds and ranges of the QUADRISHIFT transmission
- 2 Headland gear
- 3 Engine speed memory
- 4 Activate the ELECTROPILOT 4-way control lever function of the multifunction control lever
- 5 Rear linkage
- 6 Function buttons F3/F4
- 7 Spool valve 3: lift/lower or lift/lower front loader
- 8 Spool valve 4: lift/lower or fill/dump front loader
- 9 Function button F5
- 10 Spool valves, float position



Well thought through: the integral ventilation grille allows permanent air circulation between your hand and the multifunction control lever, so your hands stay nice and dry all the time.



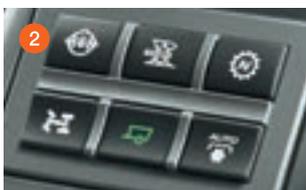
# A place for everything.



## The side console – ergonomic perfection.

The linchpin to relaxed and effective working: the side console is the result of extensive analyses of the operating processes in the cab. Frequently used functions are located on the multifunction control lever, while those that are used less frequently are located on the right-hand side console.

- 1 Control panel for electronic or mechanical spool valves
- 2 Drive train control panel
- 3 Electronic switches for creep gear range
- 4 Main switch (hydraulics, steering system, battery (automatic or manual))
- 5 Control panel for auxiliary hydraulic functions
- 6 Front and rear PTO activation



Drive train control panel: differential lock, four-wheel drive, road or field mode, set transmission to neutral and activate the automatic PTO.



Control panel for auxiliary hydraulic functions: activate front axle suspension, safety switch to lock front loader attachments (FASTLOCK / SPEEDLINK), pump aggregation, activate front hydraulics



### Clear, logical layout.

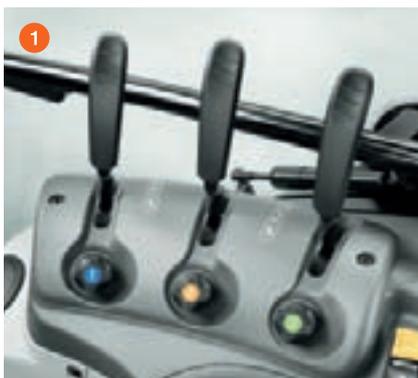
The switches for electronic linkage control and pre-selection of PTO speeds are located on the right-hand B-pillar. This guarantees direct access while work is in progress and allows the driver to optimise the electronic linkage control setting when looking backwards. Two additional buttons for raising and lowering the rear linkage also make it easier to attach implements.

- A PTO speed selection
- B Rear linkage operation
- C Rear linkage status display
- D Electronic linkage control settings

### Rear linkage control panel.

In addition to the multifunction control lever, the rear linkage and other functions can also be operated using the control panel in the side console. This provides flexibility in managing the ARION 400 even at the headland.

- 7 QUADRACTIV powershift unit
- 8 Rear linkage controls (raise, stop, lower, quick entry)
- 9 Activate GPS PILOT automatic steering system
- 10 Manual hand throttle
- 11 Slide controller for depth control of the rear linkage



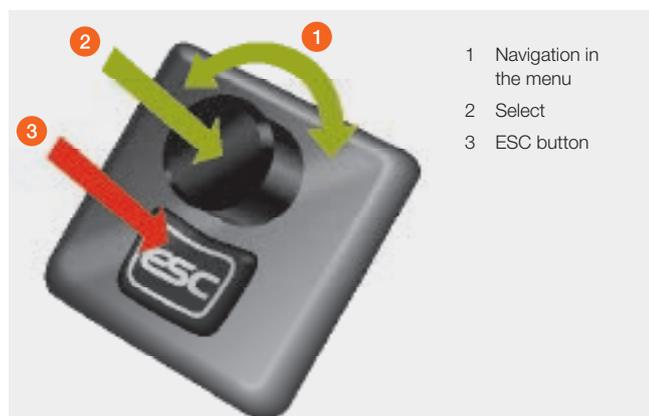
The mechanical spool valves are also accessible and easy to operate from the side console. Electronic spool valves are available as an option.



### Maximum convenience and performance. The electronic spool valves.

With load-sensing hydraulics and electronic spool valves, the ARION 400 sets new standards. The multifunction control lever and up to two rocker switches in the side console provide proportional control of up to six electronic valves. Flow rate and time control can be programmed quickly in the CIS. Press the rocker switches hard to activate time control; press them lightly for proportional control. The driver can easily activate or deactivate continuous flow to the valve with a short, firm press on the rocker switches.

# CIS. The CLAAS INFORMATION SYSTEM.



## Simply better. ARION 400 CIS.

In the compact ARION 400 CIS, too, you'll profit from the technology of its big brothers. With the CLAAS INFORMATION SYSTEM (CIS) installed, the ARION 400 offers a large number of automatic functions. CIS controls the QUADRISHIFT transmission, engine speed and electronic spool valves for you automatically, enabling you to keep your hands and head free for more important jobs and get the best out of your ARION 400. Productive and efficient – day in, day out.

The CIS display in the instrument panel is optimally positioned in your field of view. Despite its compact design, it offers the same user-friendly operator ergonomics as the CEBIS terminal in the big CLAAS tractors and harvesters. All settings can be entered straightforwardly using the rotary/push switch and the ESC button. To select a menu item or configure the automatic functions, you turn the rotary switch to the right or left. You confirm your selection by pressing the switch and use the ESC button to leave the menu selected.

- Very easy to operate with just two controls: rotary/push switch and ESC button
- Integrated performance monitor as standard equipment
- Additional display in the right-hand A-pillar summarises transmission information in a clear format

The following functions can be set using the CIS:

- Start-up gear for the QUADRISHIFT transmission
- Shift points and approach gear for the QUADRACTIV powershift unit
- Progressiveness of REVERSHIFT clutchless reverser
- Independent forward and reverse gears
- Automatic timing and volume settings for the electronic spool valves
- On-board computer functions such as display of area worked, fuel consumption and work rate
- Maintenance interval display

Tractors with CIS have the option of two electronic spool valves for front loader operation which can be conveniently controlled using the ELECTROPILOT on the multifunction armrest. In the CIS version, these controls can be combined with the mechanical and the electronic spool valves.

## Do more. With CIS.

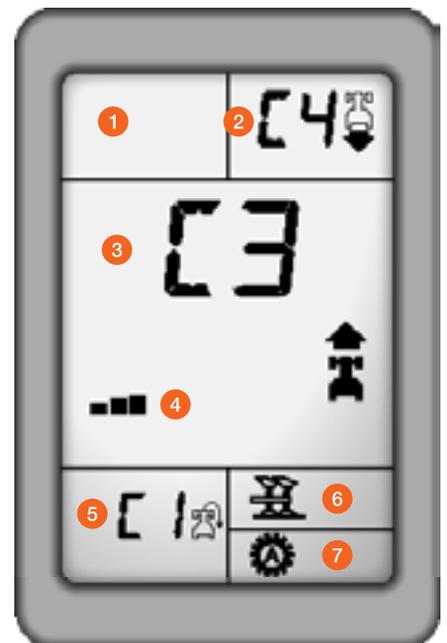
|  | CIS | Standard |
|--|-----|----------|
| Multifunction control lever            | ●   | ●        |
| CIS in instrument panel                | ●   | –        |
| Transmission display in the A-pillar   | ●   | –        |
| QUADRISHIFT and REVERSHIFT settings    | ●   | –        |
| QUADRACTIV                             | ○   | –        |
| Headland gear                          | ○   | –        |
| Engine speed memory                    | ○   | –        |
| External controls for rear PTO         | ○   | ○        |
| Automatic PTO engagement/disengagement | ○   | ○        |
| Electronic valves                      | ○   | –        |
| ELECTROPILOT                           | ○   | –        |
| FLEXPLOT (for front loaders only)      | ○   | ○        |
| External controls for front linkage    | ○   | –        |

● Standard ○ Optional – Not available



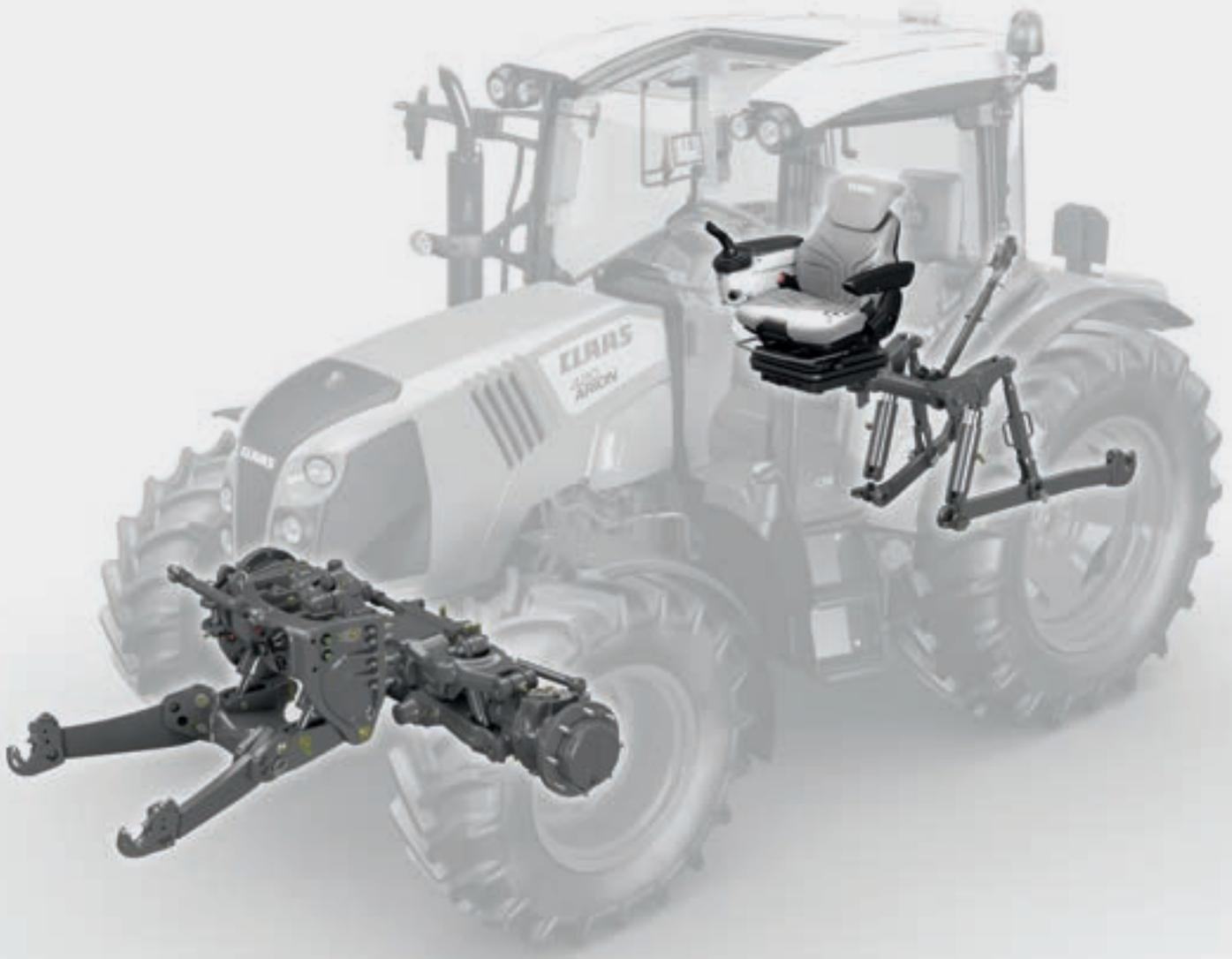
Easy access to information. QUADRISHIFT transmission display in the A-pillar.

- 1 Forward gear
- 2 Reverse gear
- 3 Current gear
- 4 Maximum powershift speed limit for QUADRACTIV
- 5 Pre-set headland gear
- 6 Field or transport mode selection
- 7 QUADRACTIV mode



Quick and easy with CIS: e.g. flow volume in both directions for electronic spool valve 1 can be set accurately in just three steps.

Suspension that protects  
both operator and machine.



 For further information please visit: [arion400.claas.com](http://arion400.claas.com)

Comfort to match its bigger brothers:  
ARION 400.

For long and demanding working days, comfort is no longer a luxury confined to top-of-the range machines – it's an essential requirement. The new ARION 400 provides comfort right down to the smallest details.



### PROACTIV front axle suspension. Complete comfort automatically.

Independent wheel suspension and 90 mm spring travel guarantee a very smooth ride. The suspension adjusts to tractor loading and automatically remains in the central position. Changes in load due to braking and turning manoeuvres are also compensated.



### Vibration damping at front and rear.

Heavy implements mounted on the front and rear create a load on the tractor as well as the driver. The front and rear linkage are both equipped with vibration damping to compensate for peak loads during transport operations and when the attached implement is raised at the headland.



### SHOCK ELIMINATOR. A steady hand.

The SHOCK ELIMINATOR absorbs vibration that is otherwise transferred to the tractor and cab when driving on uneven terrain. It also suppresses the jolts that occur when the loader is stopped abruptly during lowering. In this way, the SHOCK ELIMINATOR protects the tractor, driver and front loader from shocks.



### Low-frequency suspension. The premium seat.

Five seats from Sears and Grammer are available, including a pivoting premium seat with low-frequency air suspension.

- Suspension automatically adjusts to the driver's weight
- Pivoting seat console makes it easier to see implements

EASY.  
Simply get more done.





## The name says it all.

The combined electronic competence of CLAAS can be summed up in a single word: EASY

This stands for Efficient Agriculture Systems – and lives up to its name. Equipment settings, steering systems, software solutions and more: EASY makes it all simple. Your systems can be matched perfectly with each other, enabling you to get the best performance from your machines and top results for your business.

## Go on. Go easy.

EASY can be broken down into four areas – each a specialisation, together a powerful team.

- on board – machine control and performance optimisation directly from the cab
- on field – increased productivity directly in the field
- on track – machine monitoring and remote diagnostics
- on farm – software solutions for your business

# Even better control. CLAAS terminals and ISOBUS.

The way you want it.

Portable displays from CLAAS offer a flexible control option for ISOBUS and steering systems. The terminal can also be moved from one tractor or self-propelled harvester to another, depending on the season or job in hand. Fit your ARION 400 with the equipment you need, straight from the factory or as a retrofit option:

## S10 terminal:

- High-resolution 10.4" touchscreen terminal
- Steering and ISOBUS functions
- Up to four cameras can be displayed

## S7 terminal:

- High-resolution 7" touchscreen terminal
- Steering functions

## COMMUNICATOR:

- 5.7" terminal
- ISOBUS functions



ISOBUS implement control.

Sockets are provided at the rear in order to connect ISOBUS-compatible implements to the tractor. The ISOBUS-enabled terminal can be connected up in the cab using another socket. The attached implement is operated by means of a machine-specific display. ISOBUS compatibility means that implements from other manufacturers can also be operated using S10 terminal.



ISOBUS connections in the cab and at the rear



S7

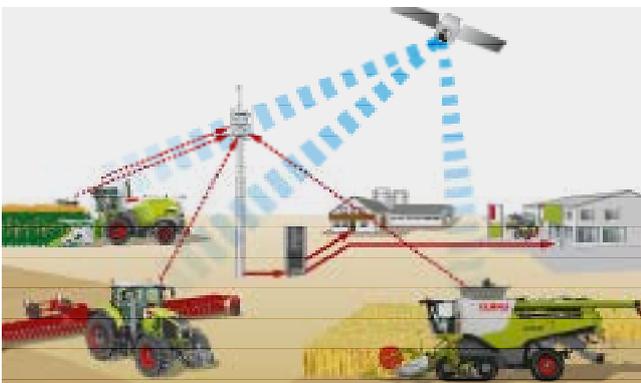


7" display

COMMUNICATOR



5.7" display



## CLAAS TELEMATICS:

TELEMATICS allows you to call up any information about your machine at any time from any location. The data collected is sent to the TELEMATICS web server at regular intervals via the mobile phone network. This enables you or an authorised service partner to access and evaluate the relevant information via the internet.

- Improve work processes: operating time analysis
- Optimise settings: remote monitoring
- Simplify documentation: data collection
- Faster servicing: remote diagnostics.

# Always on the right track. CLAAS steering systems.



## Improve the quality of your work.

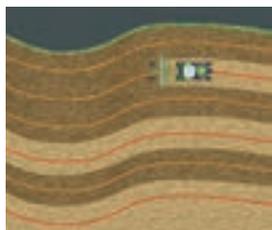
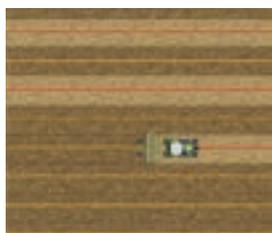
CLAAS steering systems take the pressure off the driver. They show in advance which direction to take, or automatically steer the tractor along the best possible path. Mistakes and overlapping are eliminated. Studies have shown that a modern parallel guidance system can save up to 7% on diesel fuel, machine costs, fertiliser and crop protection products

The GPS PILOT automatic steering system is controlled by the S10 and S7 touchscreen terminals (see pages 50 / 51) which feature a very simple and user-friendly menu-guided interface.

There is also an option to use these as a GPS COPILOT. This offers a low-cost entry into the world of CLAAS steering systems and enables you to produce higher-quality results. GPS COPILOT manual steering assistance shows you which track to follow.

## Automatic steering at the headland.

The AUTO TURN function takes care of turning manoeuvres at the headland. The direction of the turn and the next track to be worked are pre-selected on the terminal. The steering system does the rest.



Correction signal to meet individual needs.

The design of the CLAAS range enables you to extend your system easily at any time. This applies just as much to the terminal technology as to the use of today's essential correction signals.

CLAAS steering systems can be used with GPS and GLONASS satellite systems to enhance their flexibility and operational capabilities.

The correction signals.

**RTK**

- +/- 2 to 3 cm
- Base station
- Range approx. 15 km
- Own reference station or reference signal is provided by the local dealer
- Highest possible repeatable accuracy

**RTK NET**

- +/- 2 to 3 cm
- Correction signal via mobile phone network
- Dual-frequency signal
- Unrestricted working radius
- Highest possible repeatable accuracy
- Subject to licence

**BASELINE HD**

- +/- 4 to 6 cm
- Mobile reference station
- Range 3 to 5 km
- Free of licence fees
- Internal correction signal
- Integrated rechargeable battery

**OMNISTAR XP / HP / G2**

- +/- 5 to 12 cm
- Satellite-based correction signal
- Dual-frequency signal
- Subject to licence

**EGNOS / E-DIF**

- +/- 15 to 30 cm
- Free of licence fees
- Base accuracy

For further information about steering systems, see the CLAAS Steering Systems brochure or ask your CLAAS dealer.

# Simple. Safe. Reliable. CLAAS servicing and maintenance.

The ARION 400 never lets you down.

Maintenance, spare parts, service: the CLAAS team does everything it can to reduce downtime with your ARION 400 to an absolute minimum. We have developed clever solutions for effective maintenance – and a well-prepared machine provides maximum operational reliability. Ensuring that your machine functions correctly and retains its value are our top priorities. Because we know that your tractor is one of the keys to success.





# Maintenance must be as simple as possible.



## Quick and easy.

Daily maintenance work should be as straightforward as possible – because we know from experience that nobody enjoys doing things that are complicated or inconvenient.

- The one-piece bonnet opens at the press of a button, providing access to all the engine maintenance points
- The oil can be checked and topped up on the left-hand side of the ARION 400 when the bonnet is closed
- All daily maintenance tasks can be carried out without tools

Long oil-change intervals (engine 600 h, transmission and hydraulics 1,800 h) save a great deal of time and money. This means that less valuable working time is lost during the season and the tractor is where it should be – at work.



## Fresh air for full power.

The large intake panels in the bonnet provide plenty of fresh air for cooling and for the engine air filter. Low flow rates at the intake panels help them to stay clean and permeable at all times. The radiator assemblies are supported by a robust frame and gas-filled shock absorbers open the radiator panels to two positions for thorough cleaning, which can be carried out safely and conveniently as required.

The air filter is in an accessible location in the cool zone in front of the radiator panels so there are no obstacles to removing it. The generously sized air filter is designed for a long service life. A pre-cleaner for coarse dirt particles in the filter housing further extends the cleaning interval.



The cab air filter is behind the cab where it is easily accessible.



The cab air intake is at the side in the rear mudguards; this guarantees low dust levels in the air and extends the filter maintenance interval.



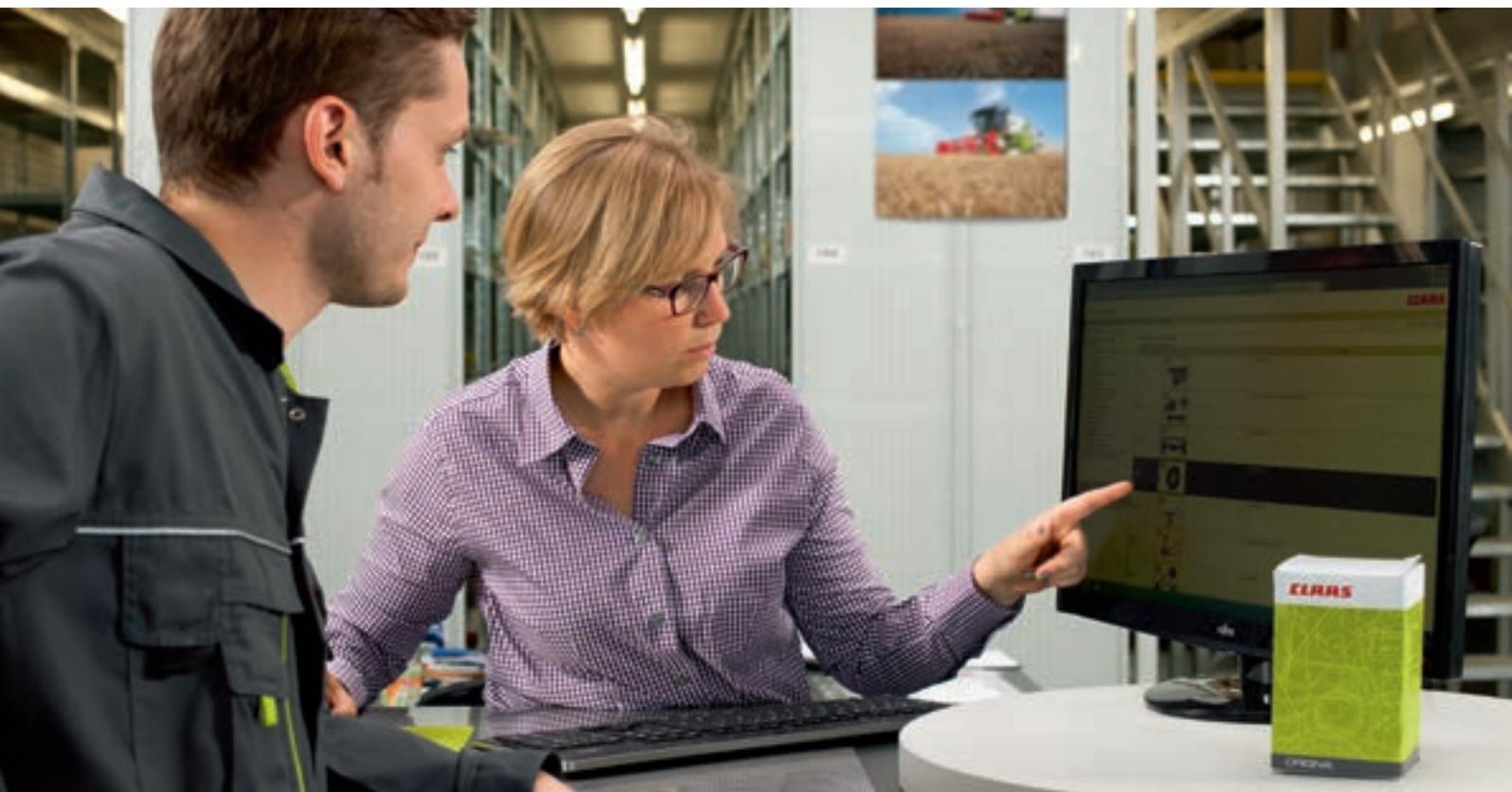
The engine air filter is in front of the radiators for ease of removal.



The battery and a storage compartment for tools are located in an accessible position to the right of the steps.

Hydraulic and transmission oil levels are easily checked at the sight glass next to the PTO.

# Close at hand. CLAAS Service.



## Round-the-clock assistance.

Members of the First CLAAS Service teams from CLAAS sales partners worldwide are available round the clock to provide a full spare parts supply and reliable service. They are on hand to assist you at any time, with expert knowledge, experience and a genuine passion for you and your machine, and can also supply CLAAS ORIGINAL parts, characterised by top quality, superb function and a long service life, within very short timeframes.

## Service is close, even when it's far away.

Thanks to CLAAS TELEMATICS, our service staff have direct access to all the performance and electronic data of your CLAAS machine via GPRS and the internet. This means that problems can often be resolved remotely, thus reducing annoying downtime.



The international CLAAS spare parts warehouse holds 135,000 different parts and has a storage area of 40,000 m<sup>2</sup>.

## We speak the same language.

CLAAS dealers are among the most efficient agricultural technology companies in the world. Our service teams are ideally qualified and equipped with the all-important special tools and diagnostic systems. CLAAS Service stands for high-quality work which meets all your expectations with regard to expertise and reliability.

## We're there where you need us.

Every minute counts at harvest time. Downtime costs real money and must be avoided wherever possible. Our central spare parts warehouse in Hamm (Germany) delivers all CLAAS ORIGINAL parts quickly and reliably all over the world. With an extensive network of CLAAS dealers worldwide, we can guarantee that they will reach their destination as quickly as possible – wherever you happen to be. The CLAAS spare parts team is on hand 365 days a year, 7 days a week, 24 hours a day to ensure that your machine is up and running again in the shortest possible time.

## For peace of mind. CLAAS service products.

Increasing cost pressure and narrow timeframes during the harvesting season call for measures which enable you to guarantee the availability of your machine – far beyond the first twelve months covered by the statutory warranty. With this in mind, CLAAS offers individual service products with easily predictable costs which ensure that you can count on a high degree of reliability and efficiency. With the CLAAS post-harvest check, maintenance contract and MAXI CARE (extended warranty) service products we can tailor a service package to meet your specific requirements. This allows you to work on the basis of predictable costs while minimising the risk of a machine breakdown.



### **CLAAS post-harvest check:**

The original CLAAS post-harvest check means competent diagnostics, reliable detection of any potential problems and professional documentation of the machine's condition.

### **CLAAS maintenance contract:**

With the CLAAS maintenance contract, your CLAAS dealer takes care of all maintenance services on your CLAAS machine.

### **CLAAS MAXI CARE:**

Your extended warranty for harvesters, tractors and telehandlers, which covers any CLAAS ORIGINAL parts and repair work required under warranty.

## Your benefits at a glance:

- Longer machine service life
- Professionally equipped dealer workshop
- Advice on specialist equipment and retrofitting
- Your machine maintained in top working condition
- Downtime minimised
- Fixed cost planning
- Long-term value retention
- CLAAS ORIGINAL parts and service products are used as recommended

Just the way you want it.  
The new ARION 400.





| ARION   | 460       | 450       | 440       | 430       | 420               | 410               |
|---|-----------|-----------|-----------|-----------|-------------------|-------------------|
| <b>Dimensions and weights</b>                                     |           |           |           |           |                   |                   |
| Rear wheels   | 18.4 R 38 | 18.4 R 38 | 16.9 R 38 | 16.9 R 38 | 16.9 R 34         | 16.9 R 30         |
| Front wheels  | 14.9 R 28 | 14.9 R 28 | 13.6 R 28 | 13.6 R 28 | 13.6 R 24         | 11.2 R 24         |
| Overall length (without front ballast, without front linkage) (d) | 4444      | 4444      | 4444      | 4444      | 4372              | 4372              |
| Centre of rear axle to top of high-roof cab (a)                   | 1965      | 1965      | 1965      | 1965      | 1910              | 1910              |
| Centre of rear axle to top of low-roof cab (a)                    | –         | –         | –         | –         | 1770              | 1770              |
| Overall height (b) high-roof cab                                  | 2765      | 2765      | 2765      | 2765      | 2610 <sup>1</sup> | 2610 <sup>1</sup> |
| Overall height (b) low-roof cab                                   | –         | –         | –         | –         | 2470 <sup>1</sup> | 2470 <sup>1</sup> |
| Wheelbase (c)   | 2525      | 2525      | 2525      | 2525      | 2490              | 2490              |
| Ground clearance, front axle (e)                                  | 505       | 505       | 480       | 480       | 430               | 380               |
| Ground clearance, rear axle (excl. drawbar) (f)                   | 489       | 489       | 464       | 464       | 413               | 364               |
| Weight  | 5100      | 5100      | 5000      | 5000      | 4800              | 4700              |
| Max. permissible total weight                                     | 8500      | 8500      | 8500      | 8500      | 8500              | 8500              |

1 Overall height with 30" tyres

| ARION                    | 460                      | 450 | 440 | 430 | 420 | 410 |
|--------------------------|--------------------------|-----|-----|-----|-----|-----|
| <b>Rear tyres</b>        |                          |     |     |     |     |     |
| 320/85 R 36 (12.4 R 36)  | 280/85 R 24 (11.2 R 24)  | –   | –   | –   | –   | □   |
| 420/85 R 30 (16.9 R 30)  | 320/70 R 24              | –   | –   | –   | –   | □   |
| 540/65 R 30              | 320/70 R 24              | –   | –   | –   | –   | □   |
| 340/85 R 36 (13.6 R 36)  | 320/85 R 24 (12.4 R 24)  | –   | –   | –   | □   | □   |
| 460/85 R 30 (18.4 R 30)  | 320/85 R 24              | –   | –   | –   | □   | □   |
| 340/85 R 38 (13.6 R 38)  | 280/85 R 28 (11.2 R 28)  | –   | □   | □   | □   | □   |
| 420/85 R 34 (16.9 R 34)  | 340/85 R 24 (13.6 R 24)  | □   | □   | □   | □   | □   |
| 480/70 R 34              | 380/70 R 24              | □   | □   | □   | □   | □   |
| 540/65 R 34              | 440/65 R 24              | □   | □   | □   | □   | □   |
| 16.9 R 34 <sup>1</sup>   | 13.6 R 24 <sup>1</sup>   | □   | □   | □   | □   | □   |
| 440/80 R 34 <sup>1</sup> | 360/80 R 24 <sup>1</sup> | □   | □   | □   | □   | □   |
| 460/85 R 34 (18.4 R 34)  | 380/85 R 24              | □   | □   | □   | □   | □   |
| 520/70 R 34              | 420/70 R 24              | □   | □   | □   | □   | □   |
| 600/65 R 34              | 480/65 R 24              | □   | □   | □   | –   | –   |
| 18.4 R 34 <sup>1</sup>   | 14.9 R 24 <sup>1</sup>   | □   | □   | □   | □   | □   |
| 480/80 R 34 <sup>1</sup> | 400/80 R 24 <sup>1</sup> | □   | □   | □   | □   | □   |
| 460/85-34 <sup>2</sup>   | 380/85-24 <sup>2</sup>   | □   | □   | □   | □   | □   |
| 420/85 R 38 (16.9 R 38)  | 340/85 R 28 (13.6 R 28)  | □   | □   | □   | □   | –   |
| 480/70 R 38              | 380/70 R 28              | □   | □   | □   | □   | –   |
| 540/65 R 38              | 440/65 R 28              | □   | □   | □   | □   | –   |
| VF 600/60 R 38           | VF 480/60 R 28           | □   | □   | □   | –   | –   |
| 460/85 R 38 (18.4 R 38)  | 380/85 R 28 (14.9 R 28)  | □   | □   | □   | –   | –   |
| 520/70 R 38              | 420/70 R 28              | □   | □   | □   | –   | –   |
| 600/65 R 38              | 480/65 R 28              | □   | □   | □   | –   | –   |

The tyre combinations listed above are given as examples. Please contact your CLAAS dealer for further tyre options. The tyre combinations are arranged by diameter.

- 1 Tyres with industrial tread
- 2 Cross-ply tyres for forestry work



| ARION   |                 | 460     | 450    | 440    | 430    | 420    | 410   |
|---|-----------------|---------|--------|--------|--------|--------|-------|
| <b>Engine</b>   |                 |         |        |        |        |        |       |
| Manufacturer  |                 | FPT     | FPT    | FPT    | FPT    | FPT    | FPT   |
| Number of cylinders/intake                              |                 | 4/TI    | 4/TI   | 4/TI   | 4/TI   | 4/TI   | 4/TI  |
| Cubic capacity  | cm <sup>3</sup> | 4500    | 4500   | 4500   | 4500   | 4500   | 4500  |
| Injection (common rail)                                 |                 | ●       | ●      | ●      | ●      | ●      | ●     |
| Emissions standard Stage IV (Tier 4)                    |                 | ●       | ●      | ●      | ●      | ●      | ●     |
| Emission control DOC + SCR                              |                 | ●       | ●      | ●      | ●      | ●      | ●     |
| Nominal engine speed                                    | rpm             | 2200    | 2200   | 2200   | 2200   | 2200   | 2200  |
| Type approval value (97/68/EC) <sup>1</sup>             | kW/hp           | 102/139 | 93/126 | 86/117 | 80/109 | 72/98  | 66/90 |
| Output at nominal engine speed (ECE R 120) <sup>2</sup> | kW/hp           | 99/135  | 92/125 | 85/115 | 77/105 | 70/95  | 63/85 |
| Max. output (ECE R 120) <sup>2</sup>                    | kW/hp           | 104/140 | 97/130 | 90/120 | 82/110 | 75/100 | 67/90 |
| Max. torque (ECE R 120) <sup>2</sup>                    | Nm              | 570     | 550    | 520    | 480    | 435    | 405   |
| Max. fuel tank capacity                                 | l               | 190     | 190    | 190    | 190    | 140    | 140   |
| Max. urea tank capacity                                 | l               | 22      | 22     | 22     | 22     | 17     | 17    |
| Oil-change interval                                     | h               | 600     | 600    | 600    | 600    | 600    | 600   |

#### QUADRISHIFT powershift transmission

|  |      |       |       |       |       |       |       |
|--|------|-------|-------|-------|-------|-------|-------|
| Ratios F/R                             |      | 16/16 | 16/16 | 16/16 | 16/16 | 16/16 | 16/16 |
| Max. speed at 2200 rpm                 | km/h | 2.04  | 2.04  | 2.04  | 2.04  | 1.85  | 1.85  |
| Max. speed                             | km/h | 40    | 40    | 40    | 40    | 40    | 40    |
| REVERSHIFT clutchless reverser         |      | ●     | ●     | ●     | ●     | ●     | ●     |
| Number of powershift speeds            |      | 4     | 4     | 4     | 4     | 4     | 4     |
| Electrohydraulically controlled ranges |      | 4     | 4     | 4     | 4     | 4     | 4     |
| QUADRACTIV                             |      | ○     | ○     | ○     | ○     | ○     | ○     |
| Min speed with creep gear              | km/h | 0.14  | 0.14  | 0.14  | 0.14  | 0.14  | 0.14  |

#### Rear axle

|   |   |           |           |           |           |           |           |
|---|---|-----------|-----------|-----------|-----------|-----------|-----------|
| Electrohydraulically activated differential locks |   | ●         | ●         | ●         | ●         | ●         | ●         |
| Automatic differential lock                       |   | ●         | ●         | ●         | ●         | ●         | ●         |
| Max. rear tyres                                   |   | 18.4 R 38 | 18.4 R 38 | 18.4 R 38 | 18.4 R 38 | 16.9 R 38 | 13.6 R 38 |
| Oil-change interval                               | h | 1800      | 1800      | 1800      | 1800      | 1800      | 1800      |

#### PTO

|  |  |   |   |   |   |   |   |
|--|--|---|---|---|---|---|---|
| Wet multi-disc clutch                  |  | ● | ● | ● | ● | ● | ● |
| External controls with stop button     |  | ○ | ○ | ○ | ○ | ○ | ○ |
| 540/540E                               |  | ● | ● | ● | ● | ● | ● |
| 540/540E/1000                          |  | ○ | ○ | ○ | ○ | ○ | ○ |
| Changeable PTO stub                    |  | ● | ● | ● | ● | ● | ● |
| 1½" PTO stub, 6 and 21 splines         |  | ○ | ○ | ○ | ○ | ○ | ○ |
| 1½" PTO stub, 8 and 21 splines         |  | ● | ● | ● | ● | ● | ● |
| Automatic PTO engagement/disengagement |  | ○ | ○ | ○ | ○ | ○ | ○ |

#### 4-wheel drive front axle

|   |         |             |             |             |             |             |             |
|---|---------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rigid front axle                        |         | ●           | ●           | ●           | ●           | ●           | ●           |
| PROACTIV suspended front axle           |         | ○           | ○           | ○           | ○           | ○           | ○           |
| Automatic 4-wheel drive                 |         | ●           | ●           | ●           | ●           | ●           | ●           |
| Max. steering angle (fixed/PROACTIV)    | Degrees | 55/50       | 55/50       | 55/50       | 55/50       | 55/50       | 55/50       |
| Castor angle (fixed/PROACTIV)           | Degrees | 6           | 6           | 6           | 6           | 6           | 6           |
| Angle of oscillation (fixed / PROACTIV) | Degrees | 10/8        | 10/8        | 10/8        | 10/8        | 10/8        | 10/8        |
| Turning radius                          | m       | 4.90        | 4.90        | 4.50        | 4.50        | 4.40        | 4.40        |
| Track                                   | mm      | 1839        | 1839        | 1839        | 1839        | 1842        | 1842        |
| with tyres                              |         | 340/85 R 28 | 340/85 R 28 | 340/85 R 28 | 340/85 R 28 | 340/85 R 24 | 340/85 R 24 |
| Differential lock                       |         | ●           | ●           | ●           | ●           | ●           | ●           |
| Fixed mudguards                         |         | ●           | ●           | ●           | ●           | ●           | ●           |
| Pivoting mudguards                      |         | ○           | ○           | ○           | ○           | ○           | ○           |

| ARION                                  |       | 460 | 450 | 440 | 430 | 420 | 410 |
|--|-------|-----|-----|-----|-----|-----|-----|
| <b>Hydraulics</b>                      |       |     |     |     |     |     |     |
| Open hydraulic circuit 60 l/min        |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Output at nominal engine speed         | l/min | 60  | 60  | 60  | 60  | 60  | 60  |
| Max. operating pressure                | bar   | 190 | 190 | 190 | 190 | 190 | 190 |
| Number of spool valves (min./max.)     |       | 2–3 | 2–3 | 2–3 | 2–3 | 2–3 | 2–3 |
| FLEXPILOT 4-way control lever          |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Flow rate control for one spool valve  |       | ●   | ●   | ●   | ●   | ●   | ●   |
| Open hydraulic circuit 98 l/min        |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Output at nominal engine speed         | l/min | 98  | 98  | 98  | 98  | 98  | 98  |
| Max. operating pressure                | bar   | 190 | 190 | 190 | 190 | 190 | 190 |
| Number of spool valves (min./max.)     |       | 2–3 | 2–3 | 2–3 | 2–3 | 2–3 | 2–3 |
| ELECTROPILOT 4-way control             |       | ○   | ○   | ○   | ○   | ○   | ○   |
| FLEXPILOT 4-way control lever          |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Flow rate control for one spool valve  |       | ●   | ●   | ●   | ●   | ●   | ●   |
| Load-sensing circuit 110 l/min         |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Output at nominal engine speed         | l/min | 110 | 110 | 110 | 110 | 110 | 110 |
| Max. operating pressure                | bar   | 190 | 190 | 190 | 190 | 190 | 190 |
| Number of spool valves (min./max.)     |       | 2–4 | 2–4 | 2–4 | 2–4 | 2–4 | 2–4 |
| ELECTROPILOT 4-way control             |       | ○   | ○   | ○   | ○   | ○   | ○   |
| FLEXPILOT 4-way control lever          |       | ○   | ○   | ○   | ○   | ○   | ○   |
| Flow rate control for all spool valves |       | ○   | ○   | ○   | ○   | ○   | ○   |

#### Rear linkage

|  |    |      |      |      |      |      |      |
|--|----|------|------|------|------|------|------|
| Lower and upper links with category 2 ball end |    | –    | –    | –    | –    | ●    | ●    |
| Lower and upper links with category 3 ball end |    | ●    | ●    | ●    | ●    | ○    | ○    |
| Max. lifting capacity at ball ends             | kg | 5750 | 5750 | 5750 | 5750 | 4500 | 4500 |
| Continuous lifting power at ball ends          | kg | 4200 | 4200 | 4200 | 4200 | 3200 | 3200 |
| Lifting range                                  | mm | 740  | 740  | 740  | 740  | 730  | 730  |
| Vibration damping                              |    | ●    | ●    | ●    | ●    | ●    | ●    |
| External controls                              |    | ●    | ●    | ●    | ●    | ●    | ●    |
| ISOBUS socket                                  |    | ○    | ○    | ○    | ○    | ○    | ○    |
| 25 amp socket                                  |    | ●    | ●    | ●    | ●    | ●    | ●    |

#### Front linkage

|                                     |    |      |      |      |      |      |      |
|-------------------------------------|----|------|------|------|------|------|------|
| Lifting capacity                    | kg | 2800 | 2800 | 2800 | 2800 | 2800 | 2800 |
| Front PTO 1000 rpm                  |    | ○    | ○    | ○    | ○    | ○    | ○    |
| Vibration damping for front linkage |    | ●    | ●    | ●    | ●    | ●    | ●    |
| External operation                  |    | ○    | ○    | ○    | ○    | ○    | ○    |
| Stop activation, front PTO          |    | ○    | ○    | ○    | ○    | ○    | ○    |
| Additional hydraulic connections    |    | ○    | ○    | ○    | ○    | ○    | ○    |
| Trailer socket                      |    | ●    | ●    | ●    | ●    | ●    | ●    |
| 25 amp socket                       |    | ●    | ●    | ●    | ●    | ●    | ●    |

#### Cab

|                                       |  |   |   |   |   |   |   |
|---------------------------------------|--|---|---|---|---|---|---|
| High-roof cab                         |  | □ | □ | □ | □ | □ | □ |
| Low-roof cab                          |  | – | – | – | – | □ | □ |
| PANORAMIC cab                         |  | □ | □ | □ | □ | □ | □ |
| Opening front windscreen              |  | ○ | ○ | ○ | ○ | ○ | ○ |
| CIS on-board information system       |  | ○ | ○ | ○ | ○ | ○ | ○ |
| Automatic climate control             |  | ○ | ○ | ○ | ○ | ○ | ○ |
| Passenger seat with integral cool box |  | ○ | ○ | ○ | ○ | ○ | ○ |
| Adjustable steering column            |  | ● | ● | ● | ● | ● | ● |

<sup>1</sup> Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

<sup>2</sup> Meets ISO TR 14396

# The new ARION 400. Outstanding features.



## CPS.

- The latest engine technology for high performance and low fuel consumption
- FPT 4-cylinder turbocharged engines developing max. 90 to 140 hp in accordance with ECE R 120
- QUADRISHIFT transmission with option of QUADRACTIV
- Automatic PTO engagement/disengagement
- Max. 110 l/min hydraulic output with load-sensing system and Power Beyond connections
- Up to six spool valves
- Unique front chassis concept with integral cast frame, designed for extreme loads and great flexibility
- Long wheelbase and balanced weight distribution
- Compact construction with integrated front linkage
- Front loader fully integrated into the tractor for high stability and optimum ease of use
- Up to three PTO speeds available (540/540 ECO/1,000)

## Comfort.

- Multifunction control lever operates transmission, rear linkage, engine speed and two spool valves
- Completely redesigned 6-pillar cab in four versions
- Perfect all-round visibility, including front loader and front hitch area, thanks to narrow-waisted bonnet and PANORAMIC cab or transparent sunroof
- CLAAS INFORMATION SYSTEM (CIS)
- PROACTIV front axle suspension with automatic height control
- Front and rear linkage with vibration damping
- Pivoting seat with low-frequency air suspension
- Powerful air-conditioning system and cooling compartment under the passenger seat
- Excellent access to all maintenance points
- Storage compartments and toolbox built into the tractor

## EASY.

- GPS PILOT and GPS COPILOT
- Innovative and very user-friendly S10 and S7 touchscreen terminals
- TELEMATICS remote monitoring
- Fully integrated ISOBUS interfaces



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