ARION
650 640 630 620
550 540 530

CLAAS

Freedom to do more.


ARION
CLAAS
640
ARION

ARION 500/600 – the new generation.

A tractor's working day is not for the faint hearted. It places high demands on both man and machine, requiring them to knuckle down and be relied on to get the job done. The new ARION meets these demands. With outstanding ride comfort, intuitive handling and impressive performance, it offers everything you expect from a tractor. Freedom to do more.

Note: This brochure uses QR codes, which you can use to access additional animated content online using your smartphone. If you are unable to use QR codes, simply enter the corresponding URL into your web browser.

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arion600-500clip

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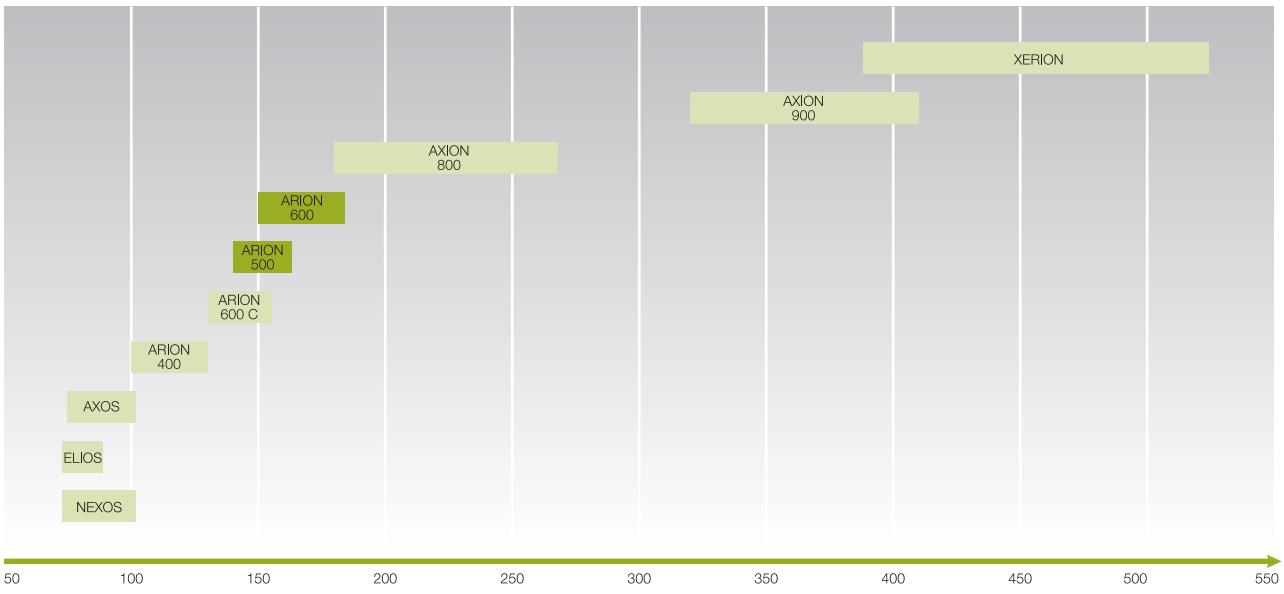
The CLAAS tractor range. From 70 to 524 hp to meet all requirements.








A recipe for success.

Big tractor technology.

With the new ARION 500/600 models, CLAAS now offers the technology and comfort of CLAAS high-horsepower tractors but in the 140 to 184 power hp range[1]. Experience even more comfort and practical solutions in the newly developed cab.

The high-performance 4-cylinder engine in the ARION 500 series provides outstanding versatility and power potential, particularly in PTO and front loader work. The 6-cylinder engine in the ARION 600 series feature impressive tractive power and run extremely smoothly both in the field and during transport operations on the road.

And if supreme comfort and handling aren't top priority, there's an entry-level model: the ARION 600 C. There's a separate brochure on the ARION 600 C with a lot more information and interesting details.

Ingeniously simple or simply ingenious: CIS or CEBIS.

The basic version of the ARION has mechanical spool valves and the CLAAS INFORMATION SYSTEM (CIS). The CIS functions as an on-board computer, allowing adjustment of transmission or area measurement settings, for example.

In the CEBIS version, the technology used in the LEXION, JAGUAR, XERION and AXION is transferred to the ARION series. All machine functions, including the CLAAS SEQUENCE MANAGEMENT (CSM) headland management system, can be controlled using this mature technology. When combined with the CMOTION multifunction lever, the electronic spool valves and the terminal in the armrest, the CEBIS version has everything you need to make your work as enjoyable as possible.




Model range overview

[1] ECE R 120

ARION 600 – 6-cylinder tractors for up to 184 hp.

Long wheelbase and compact design.

The CLAAS tractor concept is seen at its best in the ARION 600. 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 600 you are perfectly equipped for any kind of work. In the field or on the road, the long wheelbase guarantees smooth operation and high tractive power.

The permissible total weight of the ARION 600 models is up to 12 t at 40 and 50 km/h. This enables it to carry heavy loads with all implement combinations while still complying with legal requirements. A suspended and braked front axle is available for all models, allowing you to experience a maximum level of safety and driving comfort.

Engine output, ARION 600 series.

ARION	Rated output ECE R 120	Maximum output ECE R 120
650	175 hp	184 hp
640	169 hp	177 hp
630	159 hp	165 hp
620	150 hp	158 hp

The power pack. Agile and powerful.

On many farms a tractor with a 4-cylinder engine is indispensable. Its advantages are obvious: compact and manoeuvrable, it performs superbly with a front loader and has a very low empty weight. This makes it highly cost-effective when operating under partial load. But modern 4-cylinder tractors have a lot more to offer. With an output of up to 163 hp, an ARION 500 is also top of the list for PTO and transport work.

The ARION 500 also covers all the bases where cab comfort is concerned – in this area, too, it keeps up with its big brother.

The ARION 500 series has a permissible total weight of up to 11 t at 40 and 50 km/h. With its low empty weight, it is therefore capable of carrying heavy loads while still complying with legal requirements.

CLAAS also gives top priority to safety and driving comfort in the 4-cylinder range, so a suspended and braked front axle is available for all models.

Engine output, ARION 500 series.

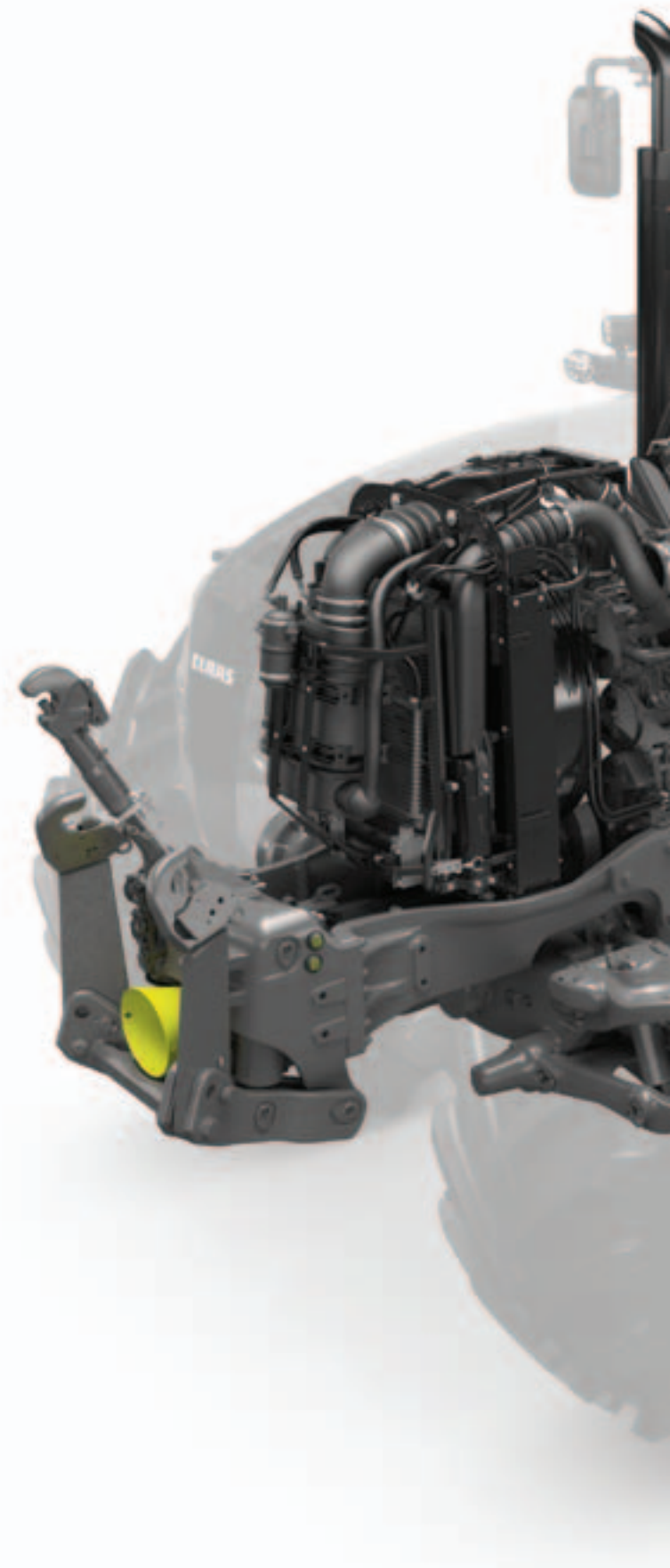
ARION	Rated output ECE R 120	Maximum output ECE R 120
550	158 hp	163 hp
540	150 hp	155 hp
530	140 hp	145 hp

ARION 500 – 4-cylinder tractors for up to 163 hp.

CPS – CLAAS POWER SYSTEMS.

Optimal drive for best 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 – 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.



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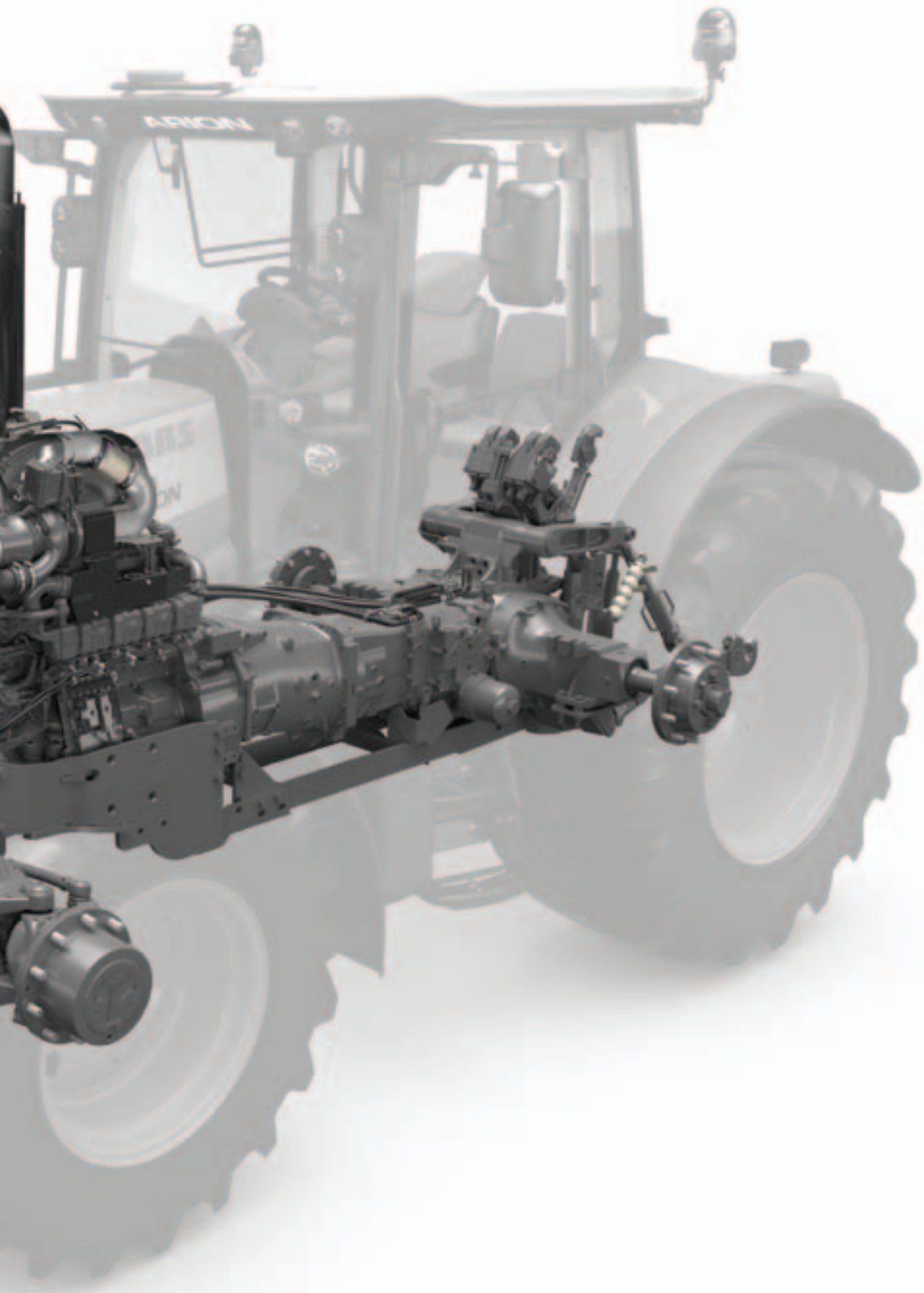


CPS | CLAAS POWER SYSTEMS

Constant output is just as important as pure power.

Strong at heart.

Under the bonnet, outstanding pulling power is provided by the latest generation of DPS PowerTech PVX engines with a cubic capacity of 4.5 or 6.8 litres.

- 4-valve technology
- Intercooler
- High-Pressure Common Rail (HPCR) injection
- Variable geometry turbo (VGT)
- Cooled exhaust gas recirculation (EGR)
- Vistronic fan control

Vistronic – economical fan control.

With electronic Vistronic fan control the fan speed can be accurately adjusted based on values for engine, intake air and transmission temperature, engine speed and operating status of the air conditioning compressor. The reduced fan speed lowers the noise level and saves valuable fuel.

CPS | CLAAS POWER SYSTEMS

Constant output.

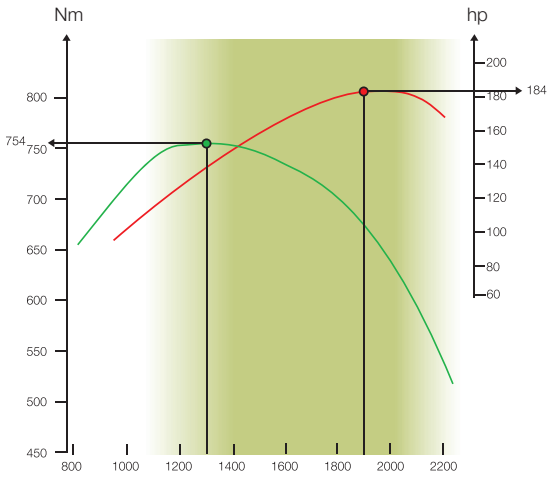
The CLAAS-specific engine performance curve provides full torque in a wide engine speed range, guaranteeing constant output and power delivery when they are needed. This makes it easy to save fuel while working at a low engine speed and maximum torque with the ECO PTO, or to work at rated speed with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

ARION	Rated output hp ECE R 120	Maximum output hp ECE R 120
650	175	184
640	169	177
630	159	165
620	150	158
550	158	163
540	150	155
530	140	145

Variable turbo.

The VGT turbo delivers optimum charge-air pressure at any engine speed. It adjusts to load and engine speed, making high torque available even at low engine speeds. Optimised combustion therefore means low fuel consumption and maximum performance.

ARION 650



Values in accordance with ECE R 120

Greatest pollutant reduction of all time.

There is no doubt that the introduction of the Stage IIIb (Tier 4i) emission regulations is the most important step to date in the control of pollutant emissions. These regulations require a 90% reduction in particulate matter (PM) as well as a 50% cut in nitrogen oxide (NOx) content. The implementation of Stage IV (Tier 4 Final) by 2015 will bring a further reduction in PM and NOx emissions to almost zero.

EGR and DPF – exhaust gas filters to keep things clean.

In EGR technology, a proportion of the engine exhaust gas is mixed with fresh air drawn in separately, reducing the speed of engine combustion and the temperatures generated. This technology largely eliminates the accumulation of nitrogen oxides. However, soot thresholds can only be met with the aid of a particulate filter (DPF). EGR technology does not require a second tank or additional resources.

Fully integrated DPF system.

When developing the new ARION tractors, CLAAS factored in all the components that would be necessary to meet the new exhaust emissions level. As a result, access to the tractor and visibility from the cab were not compromised in any way.

Never lets you down.

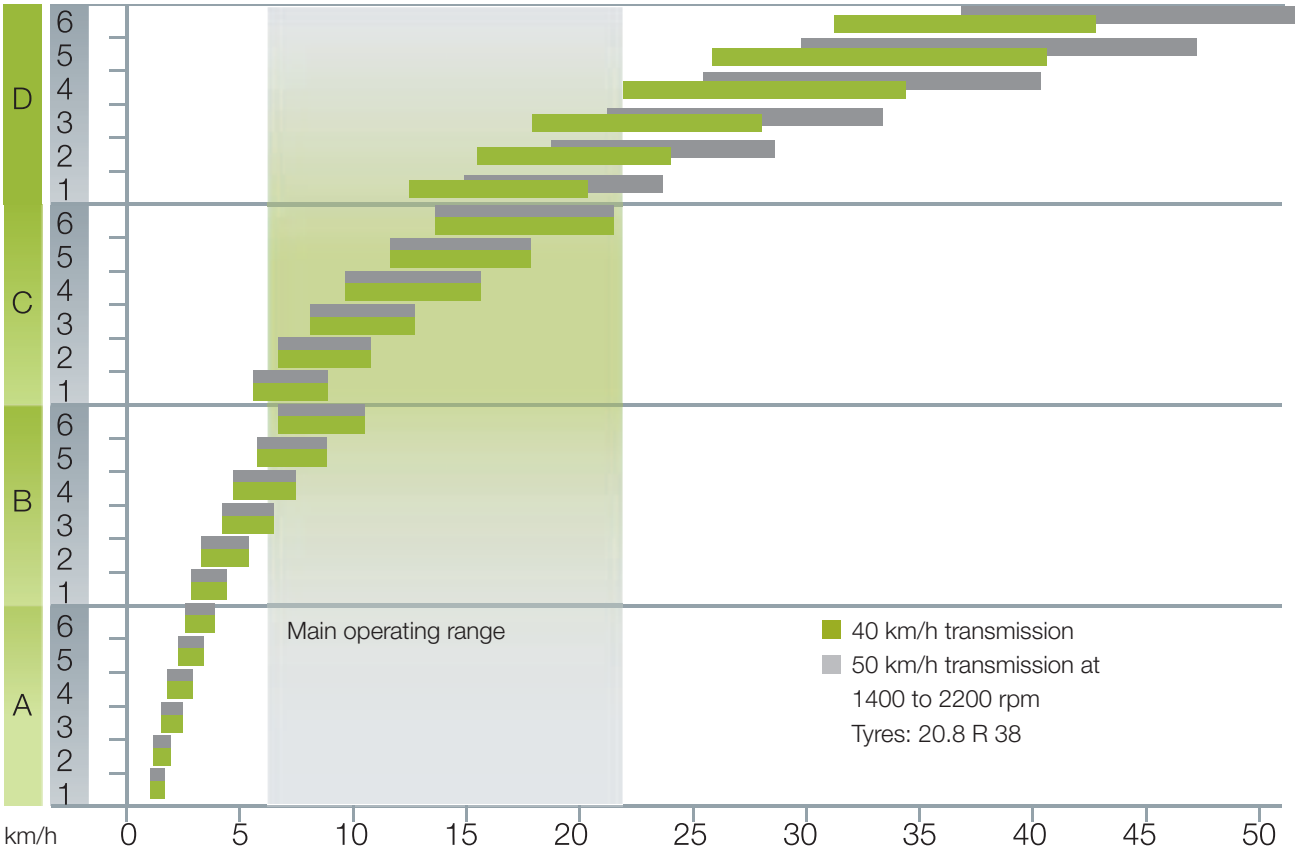
A self-cleaning exhaust gas filter, consisting of an oxidation catalyst and a particulate filter, removes any soot particles that are produced during combustion. They are burnt during automatic regeneration of the filter. A display in the instrument panel shows when this is taking place.

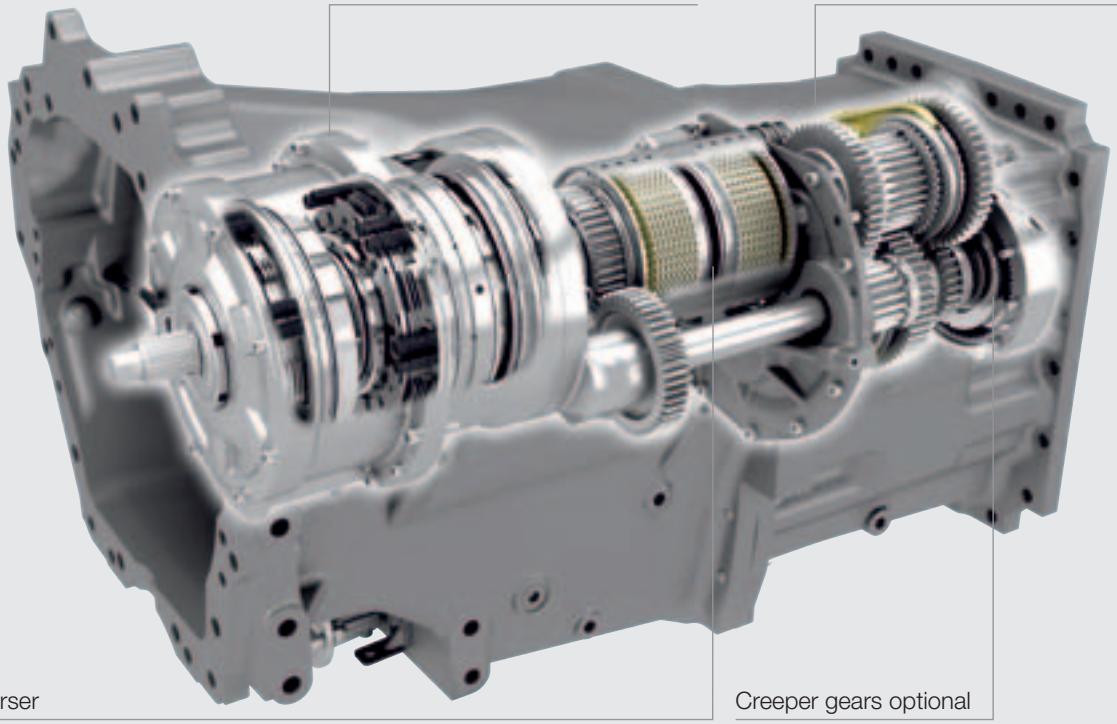
Regeneration display on the instrument panel

Clean and efficient.

go.claas.com/egr-dpf

HEXASHIFT for maximum efficiency.





The HEXASHIFT powershift transmission from CLAAS.

With HEXASHIFT you can shift effortlessly through all six powershift speeds and the four automatic ranges using your fingertips, or you can shift automatically using the HEXACTIV powershift unit.

HEXASHIFT is available in three different versions:
- Super ECO 40 km/h at 1650 rpm
- ECO 40 km/h at 2000 rpm
- ECO 50 km/h at 2000 rpm

Overlapping of the powershift speeds means that the full output potential of the engine can be be utilised with no break in tractive power, even when shifting between ranges under load.

Clear benefits.

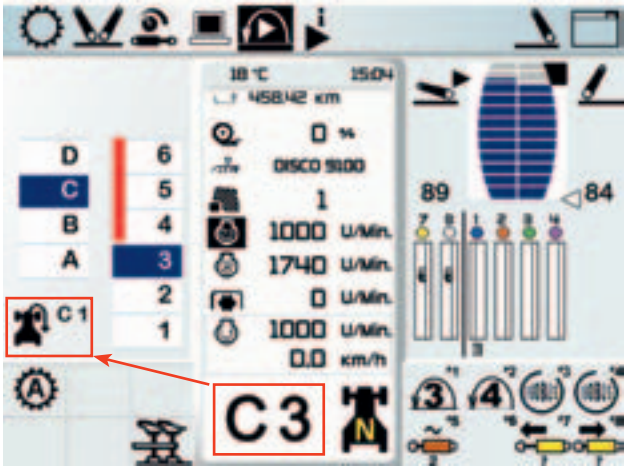
- No more range shifting with the clutch
- Good gear shifting in all ranges
- Fully automatic shifting operation with HEXACTIV power shift unit
- Good efficiency in the field and on the road for low fuel consumption
- Creeper gear options up to 110 m/h
- Convenient adjustment options with CIS or CEBIS
- High operating comfort with the DRIVESTICK or CMOTION
- CLAAS power train management for smooth changes in range and powershift operations

Progressive REVERSHIFT.

When changing direction, the tractor reacts differently depending on the job in hand and the load. The aggressiveness of the REVERSHIFT clutchless reverser is adjustable in nine steps (-4 to +4), providing optimum driving comfort in all situations. And it's standard on all ARION models (CEBIS and CIS). Whether you want a smooth change of direction at the headland with a heavy plough or a fast change of direction on the silo – with HEXASHIFT anything is possible.

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 simply by pressing a button.



Always in the right gear. HEXASHIFT.

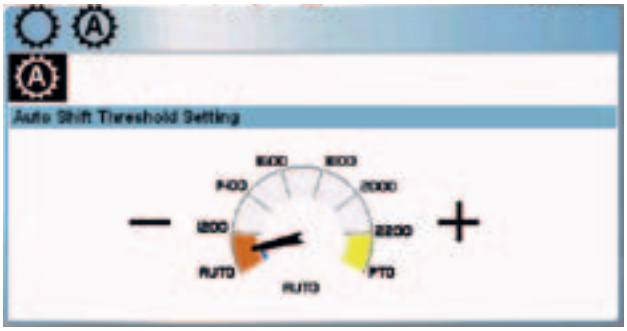
Skipshift and speedmatching.

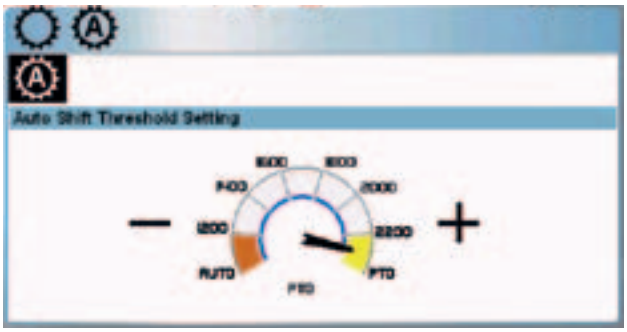
The HEXASHIFT transmission incorporates a skipshift function so that you don't have to shift through every gear (as in a conventional powershift transmission). The transmission control system automatically selects the most appropriate gear for the forward speed and load, whether you are driving in manual or automatic mode. In range D the transmission has another useful function – speedmatching. If you depress the clutch in range D, the transmission automatically adjusts the powershift speed the next time you engage the clutch. This can be very useful when approaching a crossroads, for example.

HEXACTIV start-up and approach gears.

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

HEXACTIV changes gear for you.





HEXACTIV powershift unit.

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

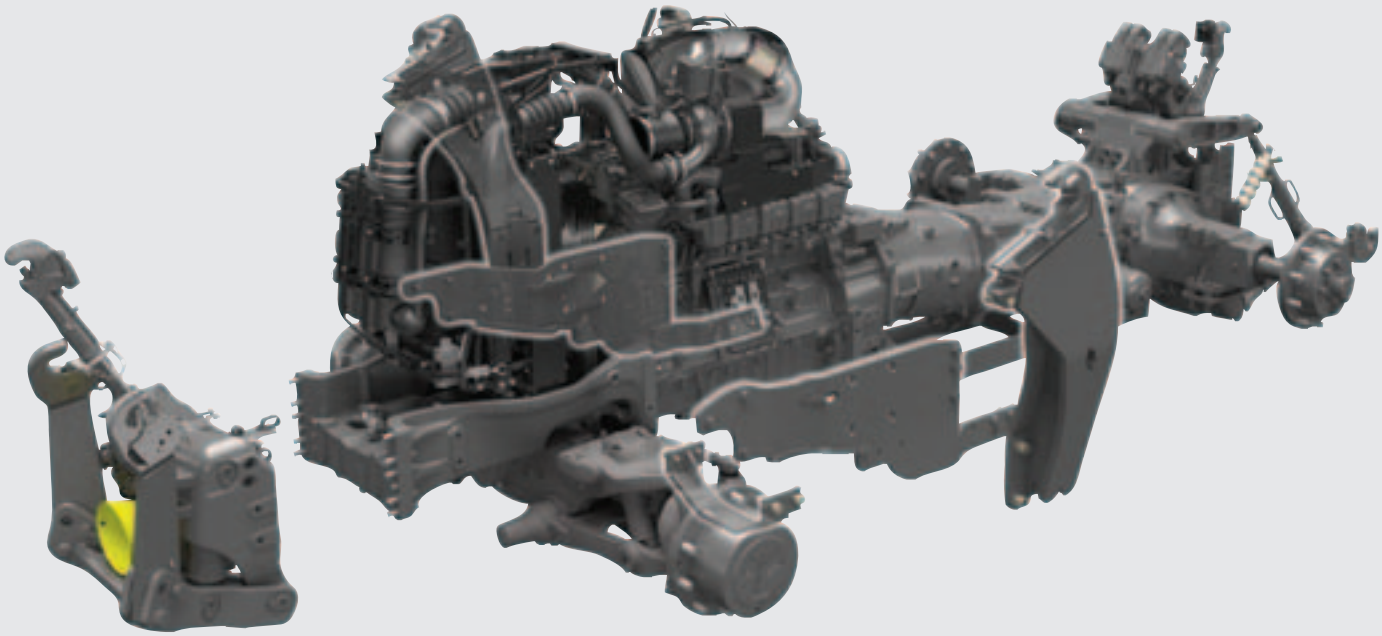
The operator can choose between three modes for the powershift unit via the CEBIS or CIS.

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

In the CIS version the HEXACTIV modes are displayed as shown here.

Four driving strategies.

	Mode	Shifting system
 1 Manual shift in field mode	• Field mode selected • HEXACTIV switch not pressed	• Range shifting by pressing the DRIVESTICK through the stop • Powershift shifting (1–6) by tapping the DRIVESTICK
 2 Manual shift in transport mode	• Road mode selected • HEXACTIV switch not pressed	• Range shifting by tapping the DRIVESTICK • Powershift shifting (1–6) by tapping the DRIVESTICK
 3 Automatic shift in field mode	• Field mode selected • HEXACTIV switch pressed	• Range shifting by pressing the DRIVESTICK through the stop • Powershift shifting (1–6) automatic
 4 Automatic shift in transport mode	• Road mode selected • HEXACTIV switch pressed	• Range shifting automatic • Powershift shifting (1–6) automatic



Smart ideas throughout.

CLAAS offers a range of pre-fittings and equipment ex factory, specially designed to make the new ARION tractors as versatile as possible.

With suitable pre-fittings, a front loader or front linkage can be retrofitted at any time. As an option, a robust half frame can be fitted along the engine between the front axle carrier and transmission. This frame absorbs forces as they arise and, at the same time, can be used as a coupling point for the front loader brackets. These are simply bolted to the half frame and can therefore be retrofitted at any time. If the ARION is equipped with a front linkage or a front loader ex factory, the half frame is included in the scope of delivery. Naturally, access to all maintenance points is guaranteed whatever equipment is fitted.

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CLAAS tractor concept for greater flexibility.

Key benefits:

- High driving comfort
- Straight running
- Higher tractive power due to better weight distribution
- Good and safe road handling
- Higher lifting power due to better weight distribution

Short overall length:
- Good manoeuvrability
- Short trailer combination on the road
- Good visibility
- Good guidance of front attachment devices

Good power to weight ratio:
- Optimises fuel consumption
- Low ground pressure during crop care work
- Dynamic road transport
- High load capacity
- Weight distribution front/rear 50% / 50%

For all applications.

Fully balanced.

With so many front and rear axle ballast options, the ARION is easily adapted to every application. Its full performance potential can then be exploited without unnecessary losses. If you need to carry out heavy work at low speeds, the ballasting on the ARION can easily be increased. Weight that is no longer required can be removed just as easily.

Wheel weight per wheel, rear axle			
250 kg	350 kg	450 kg	550 kg

Front ballasting for every situation.

A fixed 110 kg weight carrier (ex factory) can be fitted with 28 kg, 35 kg or 50 kg weight plates (CLAAS Parts). A 600 kg block weight can also be mounted on the 110 kg weight carrier.

For flexible ballasting in the front hydraulics the combinations available ex factory are as follows:

- 600 kg
- 900 kg
- 1,200 kg (600 + 600)
- 1,500 kg (900 + 600)

Safe braking.

Due to the design of the ARION, all models in the 40 and 50 km/h versions have the same permissible total weight which is up to 12 t in the ARION 650. In the 50 km/h version the front axles are fitted with disc brakes as standard. In the 40 km/h version the disc brakes are available as an option. The braking system on the front and rear axle provides maximum safety and stability on braking. 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.

Any size up to 710 mm.

A wide variety of tyres are available ex factory. All models can be fitted with MICHELIN-XeoBib tyres. Nokian industrial tyres are available for municipal work.

Wheel spacers are available to adjust track when tractor is specified with fixed rims; optional quick-release axle

Four speed ranges:

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

The PTO speed is easily pre-selected at the touch of a button. Another button on the armrest activates the PTO.

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

External controls for front and rear PTO

Powerful and economical at the push of a button.

Standing start.

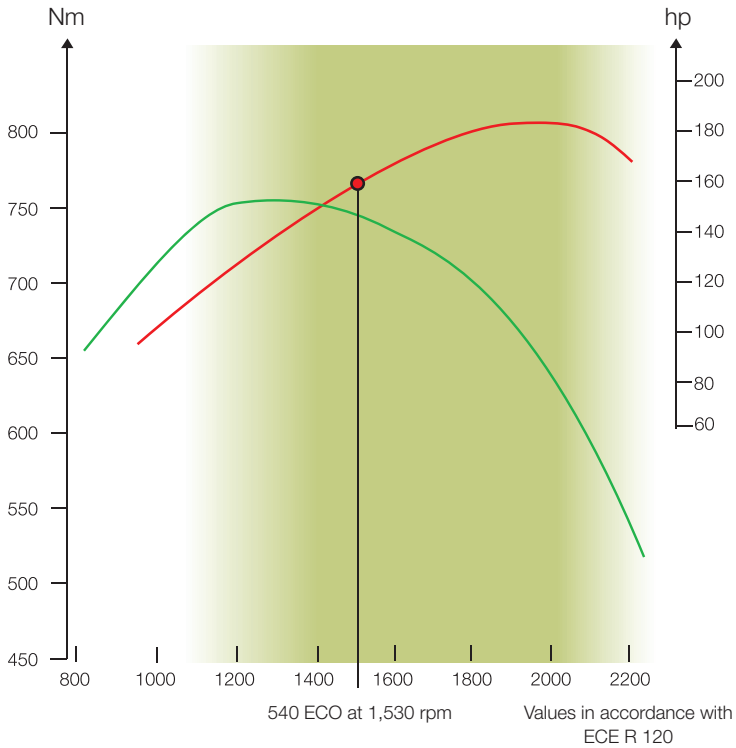
The ARION transfers its full power to the PTO from a standing start and at low forward speeds.

In ECO mode over 80% of maximum power can be transmitted via the PTO shaft, enabling even heavy implements to be operated at a reduced engine speed.

PTO speeds:
- 1,000 rpm ECO at 1,570 rpm
- 540 rpm ECO at 1,530 rpm

In ECO mode the engine runs at a low speed, reducing noise levels and saving valuable fuel.

ARION



The PTO stub is easy to replace

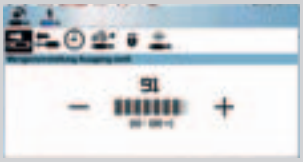
Powerful hydraulics. Simple connections.

Hydraulics that get the job done.

- Load-sensing hydraulic system for all ARION 500/600 models with 110 l/min output
- With CIS: four mechanical spool valves operated from the right-side console and ELECTROPILOT controls for two electronic spool valves on the armrest
- With CEBIS: controls for up to six electronic spool valves on the armrest

	CIS	CEBIS
Mech. spool valves	Max. 4	–
Electr. spool valves	2 for front loader	Max. 6
ELECTROPILOT	◘	◘
Flow rate adjustment	◘	◘
Time setting	–	◘
External controls	–	◘

◘ Available – Not available



Spool valve functions can be set easily in the CEBIS and CIS

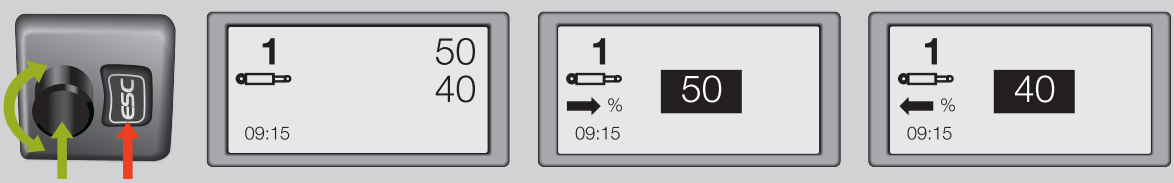
Pressure-free connections and no mess.

All four hydraulic couplings at the rear of the ARION have release levers, so they can be connected and disconnected even under pressure. The coloured markings on the inlet and outlet sides make it easier to attach implements correctly. Oil leakage lines collect the oil from the couplings when attaching and removing connectors.

Power Beyond connections are provided at the rear for implements which have their own control units.

The benefits of this are:

- Hydraulic oil is supplied to the attached implement as required
- Large line cross-sections and non-pressurised return flow reduce power losses



The rear linkage.

The ARION 650 and 640 models have a maximum lifting capacity of up to 8 t which enables them to carry the heaviest of implements. The configuration of the rear hydraulic system can be tailored to individual requirements:

- 5.1 t continuous lifting power for the ARION 650 and 640 (measured 610 mm behind the coupling hooks)
- Manual or automatic lower link stabilisers
- Wheel slip control
- Hydraulic top link
- Robust and simple top link holder
- Pratical bracket for balls at rear
- Excellent view of linkage and drawbar
- Very good side visibility thanks to sloped mudguards
- Both mudguards are fitted with external controls for the linkage, PTO shaft and an electronic spool valve (CEBIS only)
- Wide range of hitching options such as drawbar with hitch ball, automatic clevis, pickup hitch, CUNA

External controls for the rear linkage, PTO and one freely selectable spool valve (CEBIS only)

The rear linkage handles even the heaviest of implements.

Direct adjustment.

The main rear linkage functions are directly accessed via push buttons and dials in the right-hand B-pillar:

- Raise and lower
- Transport shock absorber on/off
- Lock linkage
- Activate slip control
- Lift height limit
- Lowering speed
- Draft and position control
- Wheel slip control adjustment

The convex rear window and rotating seat provide an excellent view of the implement and unimpeded operation of the linkage controls. This direct access makes it easy to optimise the rear linkage settings while work is in progress.

Greater versatility.
More applications.

Front-mounted lifting gear.

All ARION models can be fitted with two different front linkages at the factory:

- 3.0 t max. lifting capacity
- 4.0 t max. lifting capacity

The modular construction makes retrofitting straightforward. The half frame along the engine is included in the scope of delivery. The rear axle support is a standard component of every ARION, even if it has no front linkage or front loader.

Front linkage and front PTO.

All ARION models feature a 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 cylinder as standard
- Short distance between front axle and mounting points for improved header guidance
- 1,000 rpm PTO with external stop actuation
- External control of the front linkage and double-acting spool valve in the CEBIS version

Compact dimensions

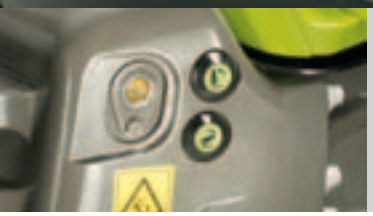
Always connected.

Hydraulic and electronic 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

Precise work.

The optional front linkage position control system for the CEBIS versions enables front-mounted implements to work extremely accurately. The working position is adjusted via a rotary knob on the armrest, while the lifting height can be limited and the lifting and lowering speed can be set using CEBIS. The front linkage can be used in single- or double-acting mode.



External controls for the front linkage (CEBIS only) and one spool valve (CEBIS only)

No comprosises. 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 new ARION 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. With the new attachment bracket design, a CLAAS front loader can easily be retrofitted at a later date.

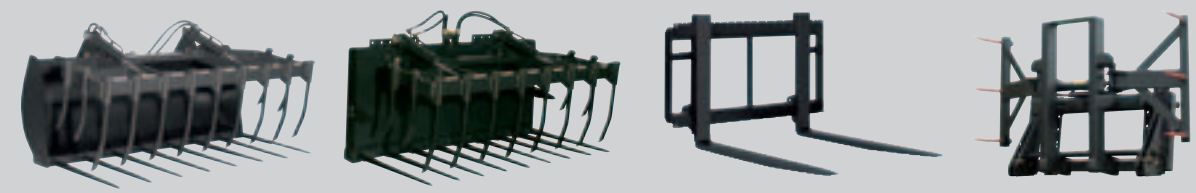
A perfect fit.
The CLAAS front loader.

Strong plus points.

- Front loader brackets are available ex factory
- Large FOPS (Falling Object Protection Structure) glass roof hatch
- Choice of three convenient control options: ELECTROPILOT ex factory, PROPILOT and FLEXPILOT as retrofit options
- PCH hydraulic self-levelling linkage on FL front loader or PCM mechanical self-levelling linkage on FL C models optional
- FITLOCK system for quick and convenient attaching / detaching
- MACH quick attachment coupler for electric and hydraulic circuits
- FASTLOCK hydraulic locking for implements
- SPEEDLINK for automatic locking and connection of all hydraulic and electric connectors on the implement
- SHOCK ELIMINATOR vibration damping system
- Wide selection of attachments
- And not forgetting the full CLAAS service

ARION	FL 150	FL 120 / FL 120 C	FL 100 / FL 100 C
650	◘	◘	–
640	◘	◘	–
630	◘	◘	–
620	–	◘	–
550	◘	–	–
540	–	◘	–
530	–	◘	◘
Lifting height m	4.60	4.15	4.00

◘ Available – Not available



Greater comfort means higher productivity.

The new ARION 500 and 600 models from CLAAS mark the debut of a completely new generation of cabs in the medium performance segment. This 5-pillar cab was developed in conjunction with farmers all over Europe.

- 5-pillar design provides superb visibility to the right and excellent accessibility to the cab via the steps
- New armrest with integral CMOTION multifunction lever in the CEBIS version

A clear view.
The new cab.

CIS

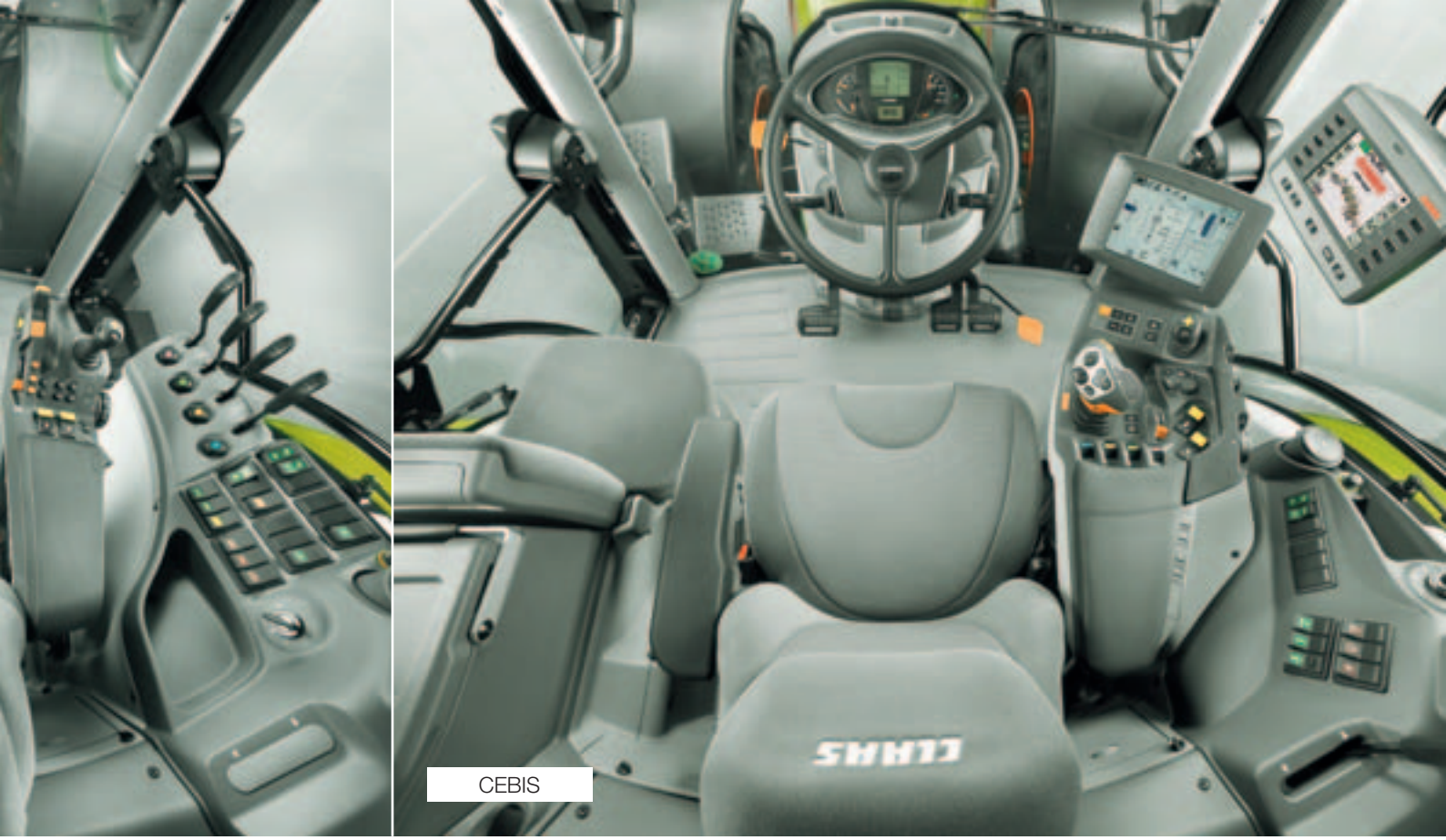
5-pillar design. The right solution for optimum visibility and excellent access.

In the performance class between 100 and 200 hp tractors are used for all sorts of work. Entering and leaving the cab frequently while working in the yard and using rear-mounted implements with a large working width are part of everyday life. So it's particularly important to design the cab accordingly. CLAAS has developed the new 5-pillar cab to meet these needs.

Benefits:

- Large-volume cab creates an extremely spacious working environment
- Clear view of the full working width
- Continuous windscreen for a perfect view of the front linkage and front loader
- Wide access, the open door protrudes a short distance only

The special positioning of the rear cab pillars and the convex rear window give the driver an excellent view of the implement and hitch area.



CEBIS

CIS or CEBIS – ingeniously simple or simply ingenious.

The new ARION tractors are available in the two well-known versions – CIS and CEBIS. In the basic version, the ARION has mechanical spool valves and the CLAAS INFORMATION SYSTEM (CIS). The CIS display features a compact design and outstanding control ergonomics: all settings can be activated easily via a push/turn dial and the ESC button. Two electronic spool valves for the front loader are available as an option in the CIS version and are operated via the ELECTROPILOT on the armrest.

The CEBIS version features electronic spool valves and the superb CEBIS terminal with a 21 cm screen. The terminal is integrated into the armrest and enables the technology used in CLAAS harvesters and high-performance tractors to be experienced in the ARION class. CLAAS places great emphasis on a standardised control structure, so that every driver immediately feels at home in the cab and knows how to operate the controls right from the start.

ARION	With CIS	With CEBIS
Multifunction armrest	●	●
DRIVESTICK	●	–
CMOTION	–	●
Engine speed memory	○	●
PTO shaft management	●	●
Mechanical spool valves	●	–
CIS in instrument panel	●	–
Electronic spool valves	–	●
CEBIS terminal	–	●
CSM headland management	–	●
Additional ELECTROPILOT	○	○
TELEMATICS	○	○
HEXACTIV powershift unit	○	○

● Standard ○ Optional – Not available

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An armrest that sets new standards.

All the main controls are integrated into the right armrest:

1 CMOTION multifunction lever
2 Control panel for drive mode, ELECTROPILOT activation, function buttons, engine speed memory
3 CEBIS monitor
4 ELECTROPILOT with two double-acting spool valves
5 CEBIS control panel
6 Working depth adjustment for front and rear linkage
7 Front and rear PTO activation
8 Hand throttle
9 Transmission in neutral
10 Spool valves
11 Four-wheel drive, differential lock, automatic PTO engagement/disengagement, front axle suspension

The height and position of the armrest can easily be adjusted to the driver's requirements

Control panel (11) in the armrest: four-wheel drive, differential lock, automatic PTO engagement/ disengagement and front axle suspension

A place for everything. Everything in full view.

Clear, logical layout.

In both the CEBIS and CIS versions, many functions can be controlled directly using the rotary switches and buttons on the B-pillar:

1 PTO speed selection
2 Rear linkage settings
3 Rear linkage status display
4 Operation of the electronic linkage control (ELC)
5 Main switch for battery, electronic spool valves, CSM, guidance system

Functions that are used less frequently, such as PTO speed preselection and the main switches, are located to the right of the driver's seat. When the driver's seat is rotated, the electronic linkage control can be operated comfortably with an excellent view of the attached implement. Fine adjustment of the electronic linkage control settings can then take place while work is in progress. Two additional buttons for raising and lowering the rear linkage also make implement attachment easier.

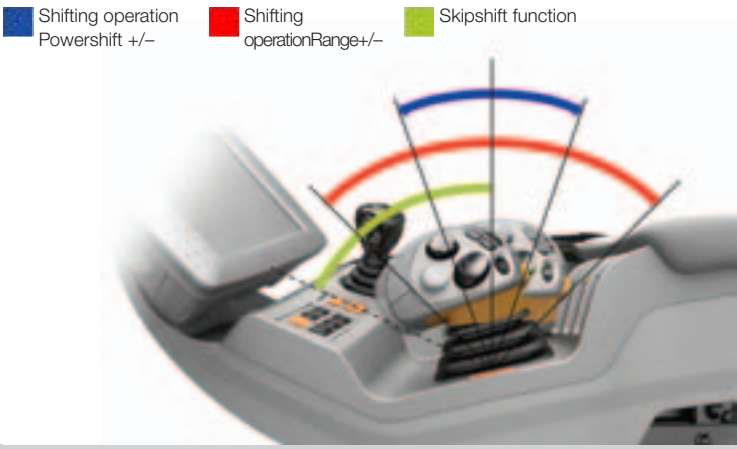
All functions in hand with CMOTION.

CMOTION multifunction lever.

The CMOTION is a completely new concept from CLAAS which makes using the main functions of the ARION more convenient and more efficient. Functions are controlled using your thumb and forefingers, allowing your hand to stay in one place for the majority of time and preventing fatigue. The height and position of the padded armrest are adjustable to meet the driver's individual requirements.

HEXASHIFT operation.

All shifting operations are carried out using the CMOTION. A slight push activates the powershift speeds. By pushing the CMOTION further forwards or backwards, it is possible to select ranges directly and skip powershift speeds.



Everything at your fingertips.

1 Rear linkage
2 Activate GPS PILOT / CAM PILOT
3 CSM headland management
4 Function buttons F7/F8 and selectable spool valve
5 Headland gear
6 Engine speed memory
7 Function buttons F5/F6

Various functions can be assigned to the function buttons:

- ISOBUS functions
- Event counter on/off
- Spool valve

The free assignment option for the function buttons on the CMOTION means that there is no longer any need to reposition your hands while you work. All implement-specific functions are easily controlled using the CMOTION.

User-friendly.

The CEBIS monitor and controls are integrated into the armrest. The driver's arm lies on the armrest while he enters the settings in CEBIS so there is no need to compensate for steering movements. This means that all functions can be set immediately and accurately while you work.

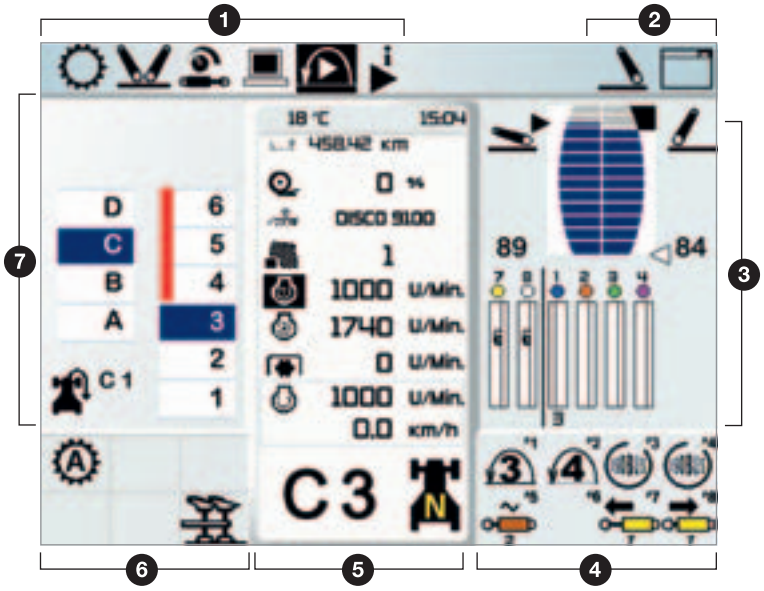
CEBIS operation.

The basic machine settings are entered using the CEBIS dial: to select a menu item or set a parameter, turn the dial to the right or left and confirm your selection by pressing the dial. Use the ESC button to leave the menu selected. Press the direct access button once to move to the settings menu for the last function used. This saves time and makes it easy to optimise machine settings.

Everything under control – CEBIS.

An eye-catching 21 cm screen.

1 Menu bar
2 Direct access display
3 Status of front/rear linkage and spool valves
4 Function button assignment
5 Transmission status, speed, PTO speed, engine speed memory, job management, wheel slip display, adjustable display, temperature, time
6 Vehicle status information
7 HEXASHIFT transmission



CEBIS – simply better:

- Only two controls: push/turn dial and ESC
- Quick access to submenus through DIRECT ACCESS
- Integrated performance monitor as standard for checking area output, fuel consumption, job data
- Two different screen layouts to choose from (road travel and field work)

Easy to use. CIS version.

Instinctive handling.

The unique DRIVESTICK is used intuitively in no time and gives you full control of the HEXASHIFT transmission. Complex and cumbersome shifting operations therefore become a thing of the past. All you need is nimble fingers to shift as you please.

The perfectly ergonomic armrest.

The multifunction armrest provides excellent ergonomics and is the linchpin to relaxed and effective working. It's the result of extensive analyses of the operating processes in the cab: frequently required functions are located on the multifunction armrest, while those required less frequently are located on the right side console.

- Shifting operation Powershift +/–
- Shifting operation Range +/–
- Skipshift function

Everything to hand.

The height and position of the armrest can easily be adjusted to the driver's requirements

1 DRIVESTICK for operating the HEXASHIFT automatic transmission
2 Rear linkage operation
3 HEXACTIV powershift unit
4 Hand throttle and two engine speed memories
5 Fine tuning of engine speed memory
6 Transmission neutral button, function buttons F1/F2
7 ELECTROPILOT
8 Set working depth of rear linkage
9 Front and rear PTO

In both the CIS and the CEBIS version, ELC operation and preselection of PTO speeds are located on the right-hand B-pillar. This guarantees direct access while work is in progress and the ELC setting can be optimised when looking backwards (see page 43).

A question of settings.

Each spool valve has its own push/turn dial. The function options for each spool valve are selected using the push/turn dial allocated to it:

- Push/turn dial in position IIII: Pressure – / Neutral / Pressure + / Float position
- Push/turn dial in position III: Pressure – / Neutral / Pressure +
- Push/turn dial in lock position: Spool valve locked in pressure position for permanent operation or neutral position

DRIVESTICK
Multifunction armrest

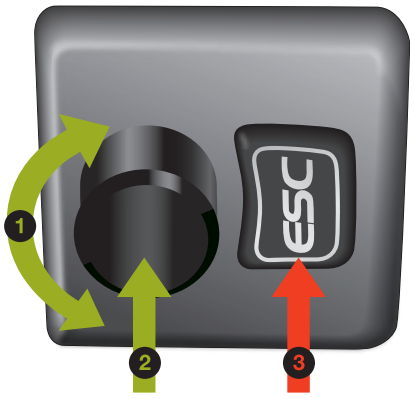
The CLAAS INFORMATION SYSTEM (CIS).

With its compact design, the CIS display provides the same user ergonomics as the CEBIS terminal: all settings can be operated using a control knob and the ESC key.

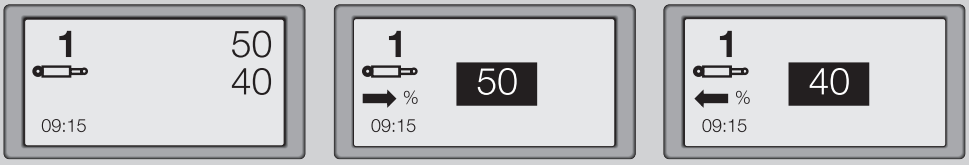
The following functions can be set using the CIS:

- HEXACTIV powershift unit gear shift points
- HEXASHIFT transmission start-up gear
- Progressiveness of REVERSHIFT clutchless reverser
- Volume settings for the electronic spool valves on the ELECTROPILOT
- On-board computer functions such as area covered, fuel consumption, area output
- Maintenance interval display

On this variant, there are two optional electronic spool valves for front loader operation which can be conveniently operated using the ELECTROPILOT on the multifunction armrest.



1 Navigation in the menu
2 Select
3 ESC button



Well informed. CIS.

HEXASHIFT transmission display in the A-pillar

Setting the raising/lowering speed and upward/ downward tilt for the front loader

Ergonomics and comfort for optimum working conditions.

Comfort right from the start.

The 5-pillar design allows the door to open wide with little overhang, allowing easy access to the cab and protecting the door from damage. Dirt-resistant steps and robust handrails provide a high level of safety wherever you are working – in animal housing or in the field.

Clear and logical layout.

When you press the small pedal underneath the steering column the entire steering column folds out of the way, allowing plenty of room to enter and leave the cab. The column can be returned to the optimum position when you start work. Fully adjustable steering column with tilt and telescope.

The instrument panel is always perfectly visible because it is mounted on the steering column and moves with it.

Document box and removable storage box

A pleasant working environment.

All ARION 500/600 models are fitted as standard with air conditioning and, optionally, with a category 3 filter. The components of the air conditioning system are built into the double insulated cab floor, giving optimum air flow distribution in the cab and significantly reducing the noise level from the ventilation system. As no components are built into the roof, the driver has additional headroom and an enhanced feeling of space. A fully automatic climate control system is available in addition to manual control.

Illuminated interior.

By day and night, all the controls are ambiently illuminated when the headlights are switched on. And the symbols on all the switches are backlit to guarantee reliable operation at all times. The brightness of the CEBIS monitor automatically adjusts to the lighting conditions, preventing glare within the cab.

Connections to the power supply and ISOBUS for additional terminals are located below the right-hand console.

Suspension that protects both operator and machine.

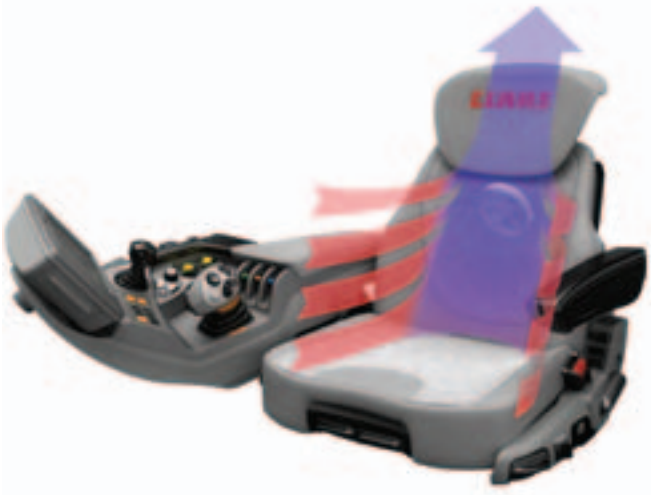
Full four-way suspension.

Four suspension points mean that the cab is fully isolated from the chassis, preventing impacts and vibration from reaching the driver. Longitudinal and lateral struts join the suspension points and keep the cab stable when turning corners or braking. An adjustable torsion strut makes it possible to choose between three different suspension hardnesses. The entire suspension system is completely maintenance-free.

Ventilated and warm: the premium seat.

Five Sears and Grammer seats are available, including a ventilated premium seat.

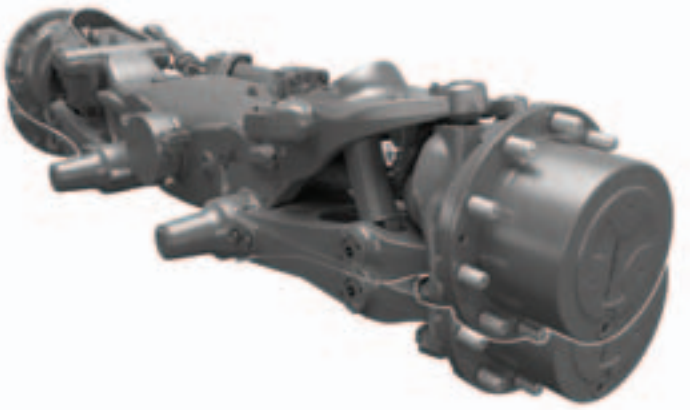
- Active seat ventilation makes the seat feel good whatever the weather
- Suspension automatically adjusts to the driver's weight



go.claas.com/arion600-500comfort

PROACTIV front axle suspension – complete comfort automatically.

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. Independent wheel suspension and 90 mm spring travel guarantee a smooth ride.



Vibration damping.

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

Switch to activate front axle suspension

Comfort


EASY.
Simply get more done.
Go on. Go easy.
EASY
Efficient Agriculture
Systems by CLAAS.
on board
on field
on track
on farm

The name says it all.

The combined electronics expertise 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, guidance 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 operation.

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

ISOBUS control.

The CEBIS MOBILE terminal with the 6.4" colour monitor has the same control structure as the familiar CEBIS. This auxiliary terminal can be used to operate the CAM PILOT and control all ISOBUS-compatible devices. Both functions can be used at the same time – you change view by pressing a button. As a mobile component, the CEBIS MOBILE terminal can also be used on the LEXION at harvest time.

The easy way to increase efficiency.

The CEBIS MOBILE is operated by a push/turn dial which is used to enter all the settings in the main menu. Frequently used functions are activated by soft buttons next to the monitor.

ISOBUS connectors in the cab and at the rear

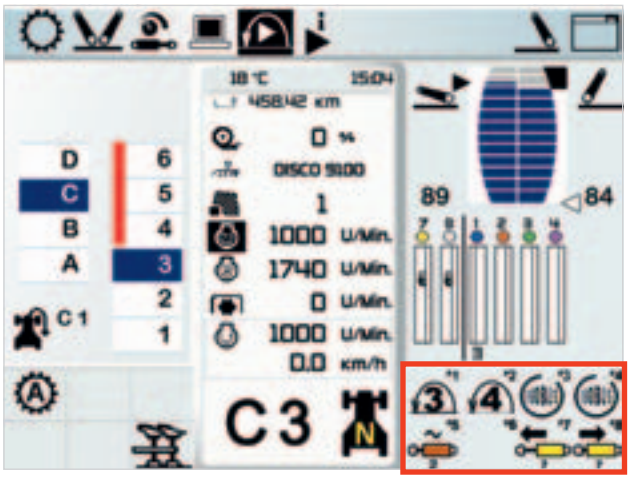
Even better control with CEBIS MOBILE.

ISOBUS implement control.

Sockets are provided at the front and rear in order to connect ISOBUS-compatible implements to the tractor. The CEBIS MOBILE 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 CEBIS MOBILE.

Function buttons.

The ARION has eight F-buttons to which different functions can be assigned in CEBIS. The current assignment can be viewed at any time via the CEBIS display. The buttons are assigned to the corresponding function in CEBIS MOBILE, enabling each driver to customise tractor operation to his individual requirements.



Always on the right track. CLAAS guidance sytems.

Optimising operating costs.

Research into cultivation systems shows that there is often an increase in overlap for larger working widths when a guidance system is not used. This means that 7% savings in terms of diesel fuel, machine costs, fertiliser and pesticide could easily be achieved with a CLAAS guidance system.

Increase the quality of your work.

CLAAS guidance systems take the pressure off the driver. They show in advance which direction to take, or automatically steer the tractor along the best possible track. Mistakes are eliminated, allowing the driver to concentrate on keeping the tractor running properly, with clear improvements in results.

Correction signal as required.

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

For further information about guidance systems, see the CLAAS guidance system brochure or ask your CLAAS distributor.

GPS PILOT RTK
- Accuracy +/– 2 to 3 cm
- Up to 20 km coverage
- No licence fees
- Maximum steering precision
- Reference signal can be set by the local dealer
- For machinery fleets or outsourcing

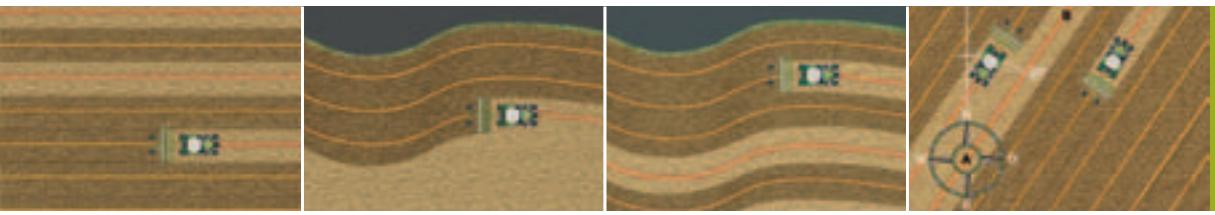
GPS PILOT RTK NET
- Accuracy +/– 2 to 3 cm
- Charged access to existing RTK networks
- Maximum steering precision
- For machinery fleets, with considerable range

GPS PILOT BASELINE HD
- Accuracy +/- 4 to 6 cm
- Farm has its own mobile reference station
- Range 3 to 5 km
- Public reference signal
- Reference station can be used by more than one machine at the same time

GPS PILOT OMNISTAR HP
- Accuracy +/– 5 to 10 cm
- Double-frequency DGPS
- Correction signal received by satellite
- Quarterly or annual licence costs for the reference signal

GPS COPILOT
- Accuracy to within +/- 15 to 30 cm
- EGNOS satellite signal
- No licence fees
- Manual guidance

CAM PILOT
- 3D camera mounted on the front of the tractor
- Accuracy +/– 5 cm
- Steering hydraulics can be combined with GPS PILOT
- Tractor follows plant rows, tramlines, furrows or swaths



CLAAS SEQUENCE MANAGEMENT.

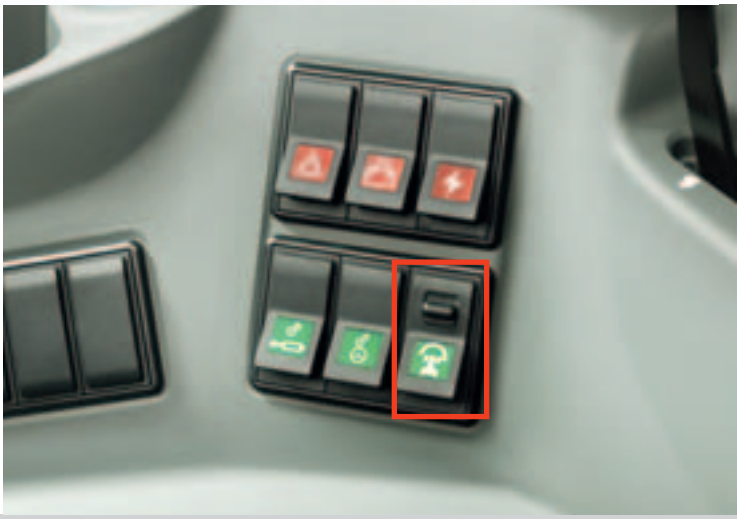
CSM headland management takes the load off you whenever you need to manoeuvre at the headland. By pressing a button, you can run any of the previously recorded functions.

CSM offers:

- Recording of up to four sequences per implement
- Sequence activation on CMOTION
- Sequence display on CEBIS
- Time or distance related recording
- Sequences can be changed and optimised retrospectively

The following functions can be combined in any order:

- Spool valves with time and flow control
- Four-wheel drive, differential lock and front axle suspension
- Front and rear hydraulics
- Headland gear
- Front and rear PTO
- Engine speed memory



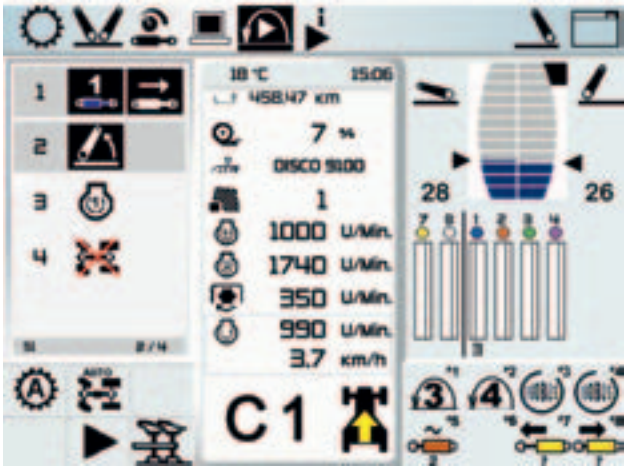
Precision at the headland with CLAAS SEQUENCE MANAGEMENT.

Easy to record and run.

Sequences can be recorded on a distance- or time-related basis.There is also an option of recording sequences when the machine is stationary. During recording, clear symbols allow the driver to follow the creation of the sequence step by step on CEBIS. A sequence that is running can be paused and restarted by simply pressing a button.

Non-stop optimisation.

The sequences recorded can be changed and optimised subsequently. Steps can be added and deleted or changed and adapted in minute detail, allowing times, distances and flow volumes to be tailored to current conditions. A sequence that has been recorded for the first time can be refined down to the last detail as you work.



Keep track of all machines and jobs. All the time.

Implement management with CEBIS.

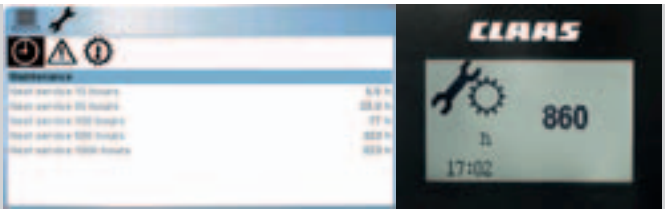
With CEBIS, details of up to 20 implements can be recorded. All the preset values are permanently assigned to the specific implement.

- Four CSM sequences
- Function button assignment
- Spool valve adjustment
- Area calculation – mode and activation
- Working width of attached implement

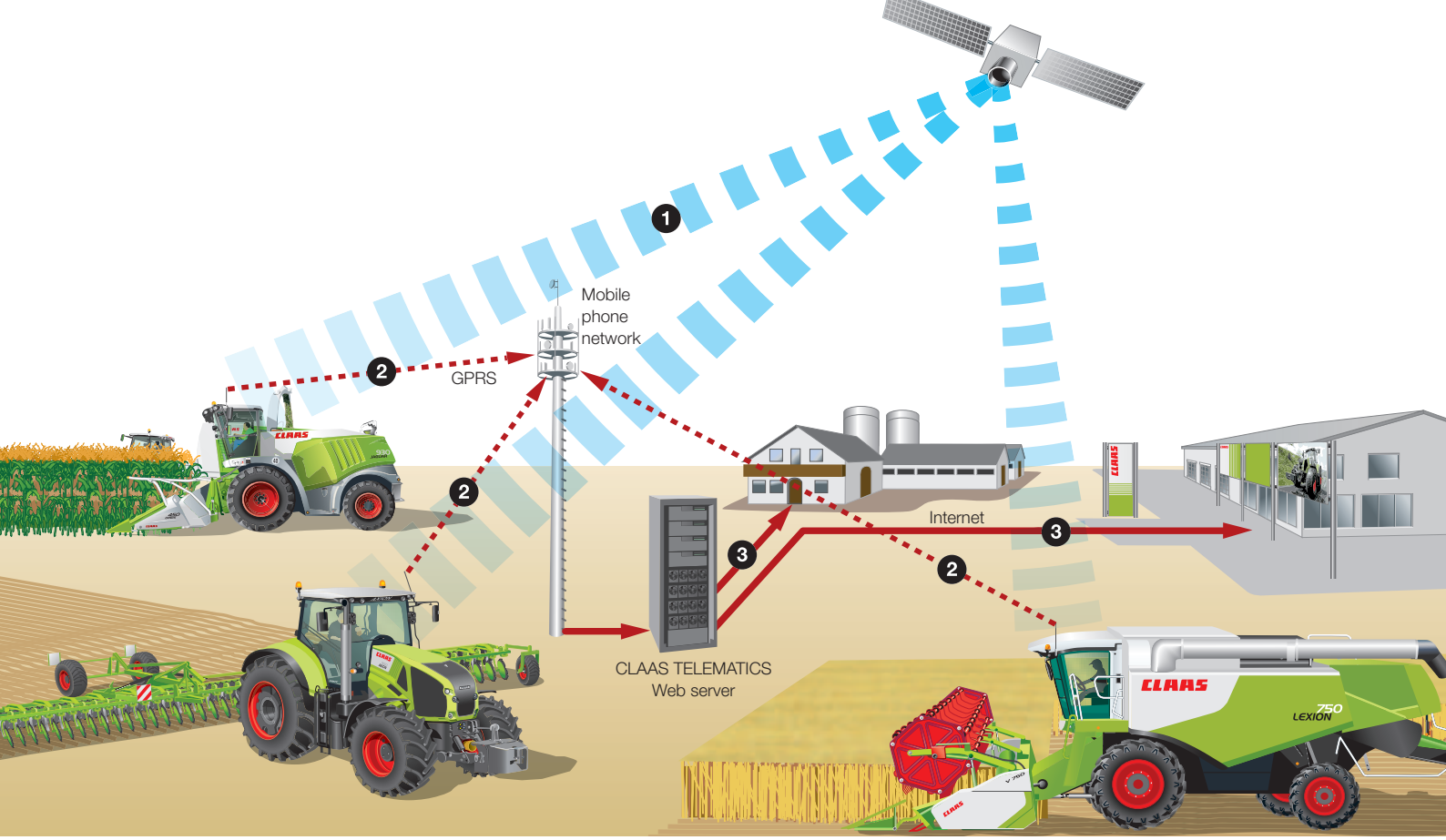
This saves on unnecessary adjustment tasks when changing implement or driver. Just attach the implement, load the device in CEBIS and start work.

Field management.

Up to 20 jobs can be set up and stored on CEBIS in order to produce documentation for the work done. First you enter the working width, then you can start area calculation and the fuel consumption display per hectare.To get the most accurate results, the speed can be measured by radar.



Maintenance counter in CEBIS and CIS.



Good reasons to use CLAAS TELEMATICS:

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

How the technology works.

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 cellphone network. This enables you or an authorised service partner to access and evaluate the relevant information via the internet.

The functions.

1 Operating time analysis
- Working time analysis
- Reduce downtime
- Review machine settings
- Optimise fuel consumption

2 Asset protection
- Position indicator in Google Earth®
- Current activity

3 Data collection
- Automatic data collection for documentation
- Secure storage on central server
- Standard interfaces for data export from TELEMATICS

4 Remote monitoring
- Maintenance planning
- Remote diagnostics with CDS

Fast maintenance.

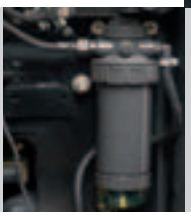
Even daily maintenance activities should be as straightforward as possible – experience alone tells us that nobody enjoys performing complicated or inconvenient tasks.

- The large, 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 when the bonnet is closed
- All daily maintenance tasks can be carried out with no need for tools

The long oil change intervals (engine 500 h, transmission and hydraulics 1,000 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.

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

Storage space for tools by the left-hand access steps



The fuel prefilter is conveniently located by the steps to the cab.

Fast, straightforward maintenance.

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. Cleaning can therefore 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. Coarse dirt particles are removed in the filter housing, further extending the cleaning interval.

Easy access to the cab air filter on the cab roof

Professional service makes all the difference.

Round-the-clock assistance.

You can rely on the professional and dependable FIRST CLAAS SERVICE® team whenever you need us. CLAAS importers and sales partners provide optimum spare parts supply and reliable round-the-clock customer service worldwide.

We provide accurate diagnoses.

Many years of experience and use of the most advanced diagnostic systems such as CDS enable our service engineers to pinpoint malfunctions in no time at all, and set up dependable configurations and download CEBIS updates.

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.

We're there where you need us.

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.

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

With CLAAS remote diagnostics, you gain valuable time, and so do we. Our service staff have direct access via the Internet to all the performance and electronic data of your ARION, often enabling the problem to be solved remotely. If a service technician is required on site, we have all the necessary information in advance and can send any spare parts required right away.

MAXI CARE® service.

It's possible to plan for reliability and peace of mind. Maximum operational reliability combined with maximum cost security – this is the principle of CLAAS MAXI CARE®. With a range of service packages, MAXI CARE® offers a quality of service tailored perfectly to the needs of each and every business.

Simply convincing.
An impressive list of features.

CPS

- The latest engine technology for high performance and low fuel consumption
- Newly developed half frame concept, designed for extreme loads and great flexibility
- Front loader fully integrated into the tractor for high stability and optimum handling
- Long wheelbase and balanced weight distribution
- Compact design with integral front linkage – fully road-compatible
- Fully powershifted HEXASHIFT transmission with HEXACTIV powershift unit and outstanding efficiency

Comfort

- Newly developed 5-pillar cab – door opens wide to provide a wide access area
- CMOTION control lever with completely new operating concept
- Multifunction armrest in CIS version
- 4-point cab suspension
- Driver's seats with active suspension and ventilation
- Front axle suspension with active height control
- Front and rear linkages with vibration damping
- Excellent access to all maintenance points
- Storage compartments and toolbox built into the tractor

EASY

- GPS PILOT and CAM PILOT
- CSM headland management
- Implement management
- TELEMATICS
- ISOBUS and CEBIS MOBILE

arion600-500.claas.com

		650	640	630	620	550	540	530
Engine								
Manufacturer		DPS	DPS	DPS	DPS	DPS	DPS	DPS
Number of cylinders/intake		6/TI	6/TI	6/TI	6/TI	4/TI	4/TI	4/TI
Cubic capacity	cm^3	6788	6788	6788	6788	4525	4525	4525
Nominal engine speed	rpm	2200	2200	2200	2200	2200	2200	2200
Output at nominal engine speed (ECE R 120)[2]	kW/hp	129/175	124/169	117/159	110/150	116/158	110/150	103/140
Max. output (ECE R 120)[2]	kW/hp	135/184	130/177	121/165	116/158	120/163	114/155	107/145
Constant output range	rpm	1900–2200	1800–2200	1700–2200	1700–2200	1700–2200	1700–2200	1700–2200
Engine speed at max. torque	rpm	1300	1200	1200	1200	1500	1400	1400
Max. torque (ECE R 120)[2]	Nm	754	714	689	659	636	618	581
Air filter dust aspiration		●	●	●	●	●	●	●
Fuel tank capacity	l	330	330	330	330	246	246	246
Oil change interval	h	500	500	500	500	500	500	500
Transmission								
Ratios F/R		24/24	24/24	24/24	24/24	24/24	24/24	24/24
Max. speed at 2200 rpm	km/h	1.53	1.53	1.53	1.53	1.53	1.53	1.63
Max. speed	km/h	40/50	40/50	40/50	40/50	40/50	40/50	40/50
REVERSHIFT clutchless reverser		●	●	●	●	●	●	●
Number of powershift steps		6	6	6	6	6	6	6
Electrohydraulically controlled ranges		4	4	4	4	4	4	4
HEXACTIV		○	○	○	○	○	○	○
Min speed with creep gear at 2200 rpm	km/h	0.38	0.38	0.38	0.38	0.38	0.38	0.41
Min. speed with super-creep gear at 2200 rpm	km/h	0.11	0.11	0.11	0.11	0.11	0.11	0.12
Oil change interval	h	1000	1000	1000	1000	1000	1000	1000
Rear axle								
Flanged axle		●	●	●	●	●	●	●
Quick-release axle		○	○	○	–	○	–	–
Electrohydraulically activated differential locks		●	●	●	●	●	●	●
Automatic differential lock		●	●	●	●	●	●	●
Max. rear tyres		710/60 R 38	710/60 R 38	710/60 R 38	710/60 R 38	710/60 R 38	710/60 R 38	650/60 R 38
Oil change interval	h	1000	1000	1000	1000	1000	1000	1000
PTO								
Wet multi-disc clutch		●	●	●	●	●	●	●
Remote control engagement and emergency stop		●	●	●	●	●	●	●
540/1000		●	●	●	●	●	●	●
540/540E/1000/1000E		○	○	○	○	○	○	○
Changeable PTO shaft stub		●	●	●	●	●	●	●
PTO shaft stub: 1⅜" with 6 and 21 splines, 1⅜" with 8 splines and 1¾" with 21 splines		○	○	○	○	○	○	○
Automatic PTO engagement/disengagement		●	●	●	●	●	●	●

● 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

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.

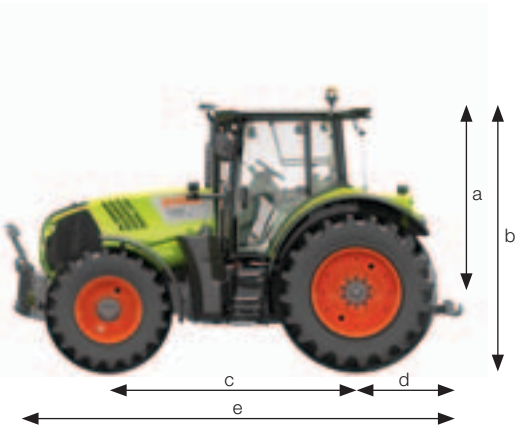
ARION

		650	640	630	620	550	540	530
4-wheel drive front axle								
Automatic 4-wheel drive		●	●	●	●	●	●	●
Max. steering angle (fixed/PROACTIV)	Degrees	55/50	55/50	55/50	55/50	55/50	55/50	55/50
Castor angle (fixed/PROACTIV)	Degrees	6	6	6	6	6	6	6
Angle of oscillation	Degrees	9	9	10	10	10	10	10
Turning radius	m	5.6	5.6	5.6	5	4.7	4.7	4.7
Track	mm	2050	2050	2050	1950	1950	1950	1950
with tyres		16.9 R 28	16.9 R 28	16.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28
Rigid front axle		●	●	●	●	●	●	●
Rigid and braked front axle		○	○	–	–	–	–	–
PROACTIV suspended and braked front axle		○	○	○	○	○	○	○
Differential lock		●	●	●	●	●	●	●
Fixed mudguards		○	○	○	○	○	○	○
Pivoting mudguards		○	○	○	○	○	○	○
Hydraulics								
Load-sensing circuit		●	●	●	●	●	●	●
Output at nominal engine speed, standard	l/min	110	110	110	110	110	110	110
Max. operating pressure	bar	200	200	200	200	200	200	200
Number of spool valves (min.–max.)		2–6	2–6	2–6	2–6	2–6	2–6	2–6
ELECTROPILOT 4-way control		○	○	○	○	○	○	○
Flow rate control		●	●	●	●	●	●	●
Rear linkage								
Max. lifting power at ball ends	kg	8000	8000	6900	6500	6900	6500	6500
Continuous lifting power at 610 mm	kg	5100	5100	4200	4200	4200	4100	4100
Lifting range	mm	817	817	748	748	748	748	745
Vibration damping		●	●	●	●	●	●	●
External controls		●	●	●	●	●	●	●
Active slip control		○	○	○	○	○	○	○
ISOBUS socket		○	○	○	○	○	○	○
25 amp socket		○	○	○	○	○	○	○
Front linkage								
Lift capacity	t	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Front PTO shaft, 1000 rpm		○	○	○	○	○	○	○
Vibration damping for 4 t front linkage		○	○	○	○	○	○	○
Position control for CEBIS version		○	○	○	○	○	○	○
External activation for CEBIS version		○	○	○	○	○	○	○
Additional hydraulic connections		○	○	○	○	○	○	○
External activation of additional connections for CEBIS version		○	○	○	○	○	○	○
Trailer socket		○	○	○	○	○	○	○
25 amp socket		○	○	○	○	○	○	○
Cab								
CIS with mechanical spool valves		●	●	●	●	●	●	●
CEBIS with electronic spool valves		○	○	○	○	○	○	○
4-point suspension		●	●	●	●	●	●	●
Multifunction armrest with CMOTION		○	○	○	○	○	○	○
Automatic climate control		○	○	○	○	○	○	○
Passenger seat with integral cool box		●	●	●	●	●	●	●

● Standard ○ Optional ◘ Available – Not available

		650	640	630	620	550	540	530
Dimensions and weights								
(standard tyres, with oil and fuel, without driver)								
Rear wheels		20.8 R 38	20.8 R 38	20.8 R 38	20.8 R 38	18.4 R 38	18.4 R 38	18.4 R 38
Front wheels		16.9 R 28	16.9 R 28	16.9 R 28	16.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28
Length (excl. front ballast and front linkage) (e)	mm	4818	4764	4764	4759	4508	4503	4443
Centre of rear axle to top of cab (a)	mm	2144	2144	2144	2144	2144	2144	2144
Overall height (b)	mm	3019	3019	3019	3019	2969	2969	2969
Wheelbase (c)	mm	2820	2820	2820	2820	2560	2564	2564
Distance from rear axle to cat. III lower link (d)	mm	1270	1270	1270	1270	1270	1270	1270
Ground clearance, front axle (f)	mm	495	495	529	529	504	504	504
Ground clearance, rear axle (excl. drawbar) (g)	mm	459	459	459	459	409	409	409
Weight (rigid front axle, excl. ballast, full tank)	kg	6820	6820	6570	6570	6020	5930	5800
Weight distribution front/rear (rigid front axle, full tank, 600 kg front ballast)	%	50/50	49/51	49/51	49/51	49/51	49/51	48/52
Max. permissible total weight (40/50 km/h versions)	kg	12000	11500	11000	10250	11000	10250	9800

		650	640	630	620	550	540	530
Tyres								
(standard axle or sprung front axle)								
Rear tyres	Front tyres							
480/80 R 38[1]	400/80 R 28[1]	–	–	◘	◘	◘	◘	◘
540/80 R 38[1]	440/80 R 28[1]	◘	◘	◘	◘	◘	◘	–
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	◘	◘	◘	◘	◘	◘	–
650/60 R 38	520/60 R 28	–	–	◘	◘	◘	◘	◘
710/60 R 38	600/60 R 28	◘	◘	◘[2]	◘[2]	◘[2]	◘[2]	–



● Standard ○ Optional ◘ Available – Not available [1] Tyres with industrial tread [2] 40 km/h version only

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