

ELIOS
230 220 210

CLAAS

Agile in the field.





Agility and performance made to measure.



The compact sub-100-hp market extends into many industries, including livestock-based farming, indoor and outdoor vegetable production, and of course non-agricultural applications as well.

CLAAS developed the compact, versatile, high-performance ELIOS to address these individual requirements.

Whether you're looking for a simple, basic-specification tractor, or seeking greater hydraulic output or more comfortable and flexible transmissions together with a wide range of equipment extras, you can tailor the ELIOS to your exact requirements.



Agility is everything.



The ELIOS has been developed specifically for day-to-day operations. The machine demonstrates high performance and compactness with a low centre of gravity – also for safety on slopes. Whether around the farm or on small fields, with a turning radius of just 3.73 m, nothing can hold the ELIOS back. Each model is also available in two-wheel drive.

With a low overall height of just 2.40 m to the top of the cab, the ELIOS can pass through low-ceiling farm buildings with ease. The cabless variant is an ideal partner for work in horticultural greenhouses.



Profitability counts.



With an output of 72 to 88 hp, the ELIOS' 3.2-litre, 4-cylinder engine delivers power smoothly, while ensuring excellent reliability and economy. The engines meet the stringent requirements of the TIER 3 exhaust emissions standards, with internal exhaust gas recirculation, turbochargers and intercoolers (with the exception of the 210), and all feature mechanical injection.

With a maximum torque of 350 Nm, the ELIOS maintains sufficient reserves to overcome even the trickiest of situations. The ELIOS features the following PTO shaft speeds: 540/1000 and ground speed. What's more, the optional 540/540E guarantees low diesel consumption and noise levels for greater ease in PTO applications.



A powerful combination.



With four transmissions to choose from, the ELIOS offers the right solution for every user:

- 12F/12R with mechanical reverser
- 24F/24R with mechanical reverser and splitter
- 24F/24R with mechanical reverser and TWINSHIFT two-stage powershift
- 24F/12R with REVERSHIFT hydraulic reverser and TWINSHIFT two-stage powershift

Every ELIOS transmission is designed and developed to guarantee minimal power losses. Up to 24 gears ensure that the driver can always find the right speed.

The ELIOS opens up a world of new possibilities with the availability of up to a maximum of three hydraulic pumps, with a hydraulic flow of 85 l/m at the rear linkage and four spool valves. The result is stress-free and comfortable operation, especially in barn environments or with a front loader attached. What's more, diesel consumption is considerably reduced when there is a low hydraulic requirement, since the machine can then be driven at a lower engine speed. The ELIOS features up to four electronic spool valves for increased comfort and precision, two of which can be controlled via the joystick. This gives the ultimate in comfort for operation of the front loader.



Everything in view, everything to hand.



Welcome aboard the ELIOS!

The wide-opening door, comfortable handles and self-cleaning steps provide safe, easy cab access. The many potential configurations of seat and steering wheel ensure a comfortable driving position for any driver. The ELIOS raises comfort standards still further with an air-suspended seat and an air-conditioning system.

With multiple drivers also in mind, the ELIOS is equipped for intuitive operation with easy-to-identify controls. The optional TCE 6 electronic rear linkage control is available for greater precision.



Shorter maintenance times.
Longer service intervals.



Thanks to the one-piece bonnet and easy access to the engine and cabin air filters, you can perform all daily maintenance tasks quickly and in just a few actions. The new ELIOS boasts particularly long maintenance intervals. The 600-h engine oil change intervals reduce costs and downtime.

FIRST CLAAS SERVICE® is our guarantee of absolute service reliability and professionalism. Or, to put it simply: we're there for you right away when you need us. Of course, that goes for your ELIOS just as it does for all other CLAAS machines.

ELIOS

		230	220	210
Engine				
Manufacturer		FPT	FPT	FPT
Number of cylinders/intake		4/TI	4/TI	4/T
Cubic capacity	cm ³	3,200	3,200	3,200
Nominal engine speed	rpm	2,300	2,300	2,300
Output at nominal engine speed (ISO TR 14396)	kW/hp	65/88	57/78	53/72
Engine speed at max. torque	rpm	1,300	1,250	1,250
Max. torque	Nm	350	330	277
Max. fuel capacity	l	80	80	80
Oil-change interval	h	600	600	600
Transmission				
Top speed	km/h	40/30	40/30	40/30
12F/12R with mechanical reverser		■	■	■
24F/24R with mechanical reverser and splitter		■	■	■
24F/24R with mechanical reverser and TWINSHIFT two-stage powershift		■	■	■
24F/12R with REVERSHIFT hydraulic reverser and TWINSHIFT two-stage powershift		■	■	■
Min. speed	km/h	0.5	0.5	0.5
Rear-wheel drive / all-wheel drive		■ / ■	■ / ■	■ / ■
PTO				
Clutch type depending on option		hydraulically/electrohydraulically supported		
540/1000		●	●	●
540/540 ECO		○	○	○
Ground PTO shaft		○	○	○
Road safety				
Braking system (multiple discs in oil bath and all-wheel auto activation)		■	■	■
Air brake system		–	–	–
Hydraulic trailer braking system		■	■	■
All-wheel-drive front axle				
Electrohydraulic operation		●	●	●
Self-locking differential front/rear (self-locking multidisc clutch at front / dog clutch at rear)		●	●	●
Max. steering angle	Degrees	55	55	55
All-wheel-drive model with front weight turning radius	m	3.73	3.73	3.73
Hydraulic system for rear linkage				
2-pump hydraulic circuit		●	●	●
Hydraulic flow for rear linkage and spool valves	l/min	59	59	59
Max. operating pressure	Bar	190	190	190
3-pump hydraulic circuit		○	○	○
Hydraulic flow for rear linkage	l/min	26	26	26
Hydraulic flow for spool valves	l/min	59	59	59
Max. operating pressure	Bar	190	190	190
No. of spool valves (min. – max.)		2/3	2/3	2/3
4 electronic spool valves		○	○	○
Rear lifting arms				
Max. lifting power at ball ends	kg	3,100	3,100	3,100
TRACTO CONTROL ELECTRONIC (TCE 6)		○	○	○

● Standard ○ Optional ■ Available – Not available

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Cab				
Cab/platform		■ / ■	■ / ■	■ / ■
Steering column, height and angle adjustable		○	○	○
Air conditioning		○	○	○
Max. number of work lights		2 front / 2 rear		
Dimensions				
Height with cab	mm	2,397	2,397	2,397
Height with platform (roll bar extended/retracted)	mm	2,642/1,733	2,642/1,733	2,642/1,733
Length				
Wheelbase, all-wheel-drive model	mm	2,098	2,098	2,098
Total length (with additional weight supports)	mm	4,019	4,019	4,019
Weights				
Weight without ballast (all-wheel-drive model with cab)	kg	3,165	3,165	3,165
Permissible total weight	kg	5,100	5,100	5,100

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