

ELIOS

		230	220	210
Engine				
Manufacturer		FPT	FPT	FPT
Number of cylinders / intake		4/TI	4/TI	4/T
Cubic capacity	cm ³	3200	3200	3200
Nominal engine speed	rpm	2300	2300	2300
Output at nominal engine speed (ISO TR 14396) ¹	kW/hp	65/88	57/78	53/72
Engine speed at max. torque	rpm	1300	1250	1250
Max. torque	Nm	350	330	277
Torque rise	%	30	39	26
Visco fan		●	●	●
Max. fuel capacity	l	70	70	70
Oil-change interval	h	500	500	500
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	0.47	0.47	0.47
Rear-wheel drive / all-wheel drive		■	■	■
Power take-off				
Clutch type depending on option		Hydraulically supported / electrohydraulic		
540		■	■	■
540/1000		■	■	■
540/540 ECO		■	■	■
PTO shaft (except for 540)		■	■	■
Road safety				
Braking system (multiple discs in oil bath and all-wheel auto activation)		●	●	●
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
Castor angle	Degrees	6	6	6
Angle of oscillation	Degrees	11	11	11
Turning radius	m	3.77	3.77	3.77
Track with tyres 320/70 R 24	mm	1800	1800	1800

● Standard ○ Optional ■ Available – Not available

¹ Values correspond to permissible values in accordance with 97/68/EG, ECE R120 or 2000/25/EG.

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Hydraulic system				
Hydraulic pump for steering and transmission		●	●	●
Hydraulic pump output	l/min	26	26	26
Max. operating pressure	bar	190	190	190
2-pump hydraulic circuit		●	●	●
Hydraulic pump output for rear linkage and spool valves	l/min	59	59	59
Max. operating pressure	bar	190	190	190
Number of mechanical spool valves (min/max)		2–3	2–3	2–3
3-pump hydraulic circuit (with electronic spool valves only)		○	○	○
Hydraulic system for rear linkage	l/min	26	26	26
Hydraulic pump output for spool valves	l/min	59	59	59
Max. operating pressure	bar	190	190	190
Four electronic spool valves, of which two joystick-controlled (with 3-pump hydraulic circuit only)		○	○	○
Flow control on electronic spool valves		●	●	●
Rear linkage				
Max. lifting power at ball ends	kg	3240	3240	3240
Continuous lifting power at 610 mm	kg	2330	2330	2330
TCE 6 electronic control		○	○	○
External operation for rear linkage		■	■	■
Front linkage				
Front linkage		○	○	○
Max. lifting power at ball ends	kg	2800	2800	2800
Front PTO shaft		○	○	○
Cab				
Cab/platform		■ / ■	■ / ■	■ / ■
Driver's seat, mechanically suspended		●	●	●
Driver's seat, air-suspended		○	○	○
Steering column, height and angle adjustable		○	○	○
Heating		●	●	●
Air conditioning		○	○	○
Opening rear window		●	●	●
Opening front screen		●	●	●
Rear window wipers		○	○	○
Max. number of work lights		2 front / 2 rear	2 front / 2 rear	2 front / 2 rear

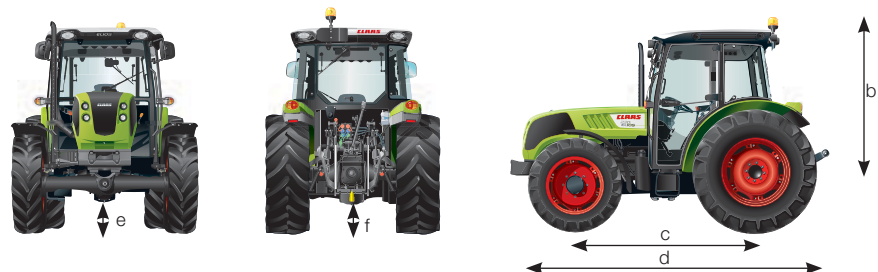
● Standard ○ Optional ■ Available – Not available

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Dimensions (standard tyres)				
Rear wheels		16.9 R 28	16.9 R 28	16.9 R 28
Front wheels		12.4 R 20	12.4 R 20	12.4 R 20
Height with cab (a)	mm	2397	2397	2397
Clearance between rear wheel centre point and roof (a)	mm	1722	1722	1722
Height with platform (roll bar extended/retracted) (a)	mm	2642/1758	2642/1758	2642/1758
Clearance between rear wheel centre point and roll bar (b)	mm	1967	1967	1967
Length				
Wheelbase (c)	mm	2098	2098	2098
Overall length (without additional front weights) (d)	mm	4019	4019	4019
Ground clearance with higher tyres				
Front axle with all-wheel drive (e)	mm	390	390	390
Rear axle (without swinging drawbar) (f)	mm	380	380	380
Weight (standard tyres, all-wheel drive version, without additional front ballast, with oil and fuel, without driver)				
Rear wheels		16.9 R 30	16.9 R 30	16.9 R 30
Front wheels		11.2 R 24	11.2 R 24	11.2 R 24
Weight without ballast (platform/cab)	kg	2965/3165	2965/3165	2965/3165
Max. additional front ballast without front lift linkage	kg	420	420	420
Weight distribution with cab and without ballast (front/rear)	%	59/41	59/41	59/41
Permissible total weight	kg	5100	5100	5100

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Tyres				
Rear tyres	Front tyres			
12.4 (320/85) R 36	7.50-16 ²	■	■	■
12.4 (320/85) R 36	11.2 (280/85) R 24	■	■	■
12.4 (320/85) R 36	320/70 R 24	■	■	■
14.9 (380/85) R 30	7.50-16 ²	■	■	■
14.9 (380/85) R 30	9.5 (250/85) R 24	■	■	■
16.9 (420/85) R 28	12.4 (320/85) R 20	■	■	■
16.9 (420/85) R 30	11.2 (280/85) R 24	■	■	■
16.9 (420/85) R 30	320/70 R 24	■	■	■
16.9 (420/85) R 30	14.9 (375/75) R 20	■	■	■
480/70 R 30	11.2 (280/85) R 24	■	■	■
480/70 R 30	320/70 R 24	■	■	■
540/65 R 30	420/65 R 20	■	■	■
23.1-26 ¹	560/45-22.5 ¹	■	■	■



● Standard ○ Optional ■ Available – Not available

¹ Turf tyres ² Tyres for two wheel drive version.