

NEXOS

	240 F-VL	230 F-FB-VL-VE	220 F-FB-VL-VE	210 F-VL-VE
Engine				
Manufacturer	FPT	FPT	FPT	FPT
Number of cylinders/intake	4/TI	4/TI	4/TI	4/T
Cubic capacity	cm ³ 4500	3200	3200	3200
Nominal engine speed	rpm 2200	2300	2300	2300
Output at nominal engine speed (ECE R 120) ¹	kW/hp 74/101	65/88	57/78	53/72
Engine speed at max. torque	rpm 1250	1300	1250	1250
Max. torque	Nm 430	350	330	277
Torque increase	% 34	30	39	26
Visco fan	●	●	●	●
Max. fuel tank capacity	l 75	75 (FB: 60)	75 (FB: 60)	75
Auxiliary fuel tank in VL and F	l 19	19	19	19
Oil-change interval	h 500	500	500	500
Top exhaust	○	○	○	○
Bottom exhaust	●	●	●	●

	240 F	230-220-210 F	230-220-FB	240 VL	230-220-210 VL	230-220-210 VE
Transmission						
Top speed	km/h 40/30	40/30	40	40/30	40/30	40/30
12F/12R with mechanical reverser and 30 km/h transmission	□	□	–	□	□	□
24F/24R with mechanical reverser, mechanical splitter and 30 or 40 km/h transmission	□	□	□	□	□	□
24F/24R with mechanical reverser, TWINSHIFT two-stage powershift and 30 or 40 km/h transmission	□	□	–	□	□	□
24F/12R with REVERSHIFT hydraulic reverser, TWINSHIFT two-stage powershift and 30 or 40 km/h transmission	□	□	–	□	□	□
Min. speed with 12F/12R transmission at nominal engine speed	km/h 1.25	1.25	–	1.25	1.25	1.20
Min. speed with all transmissions except 12F/12R at nominal engine speed	km/h 0.45	0.45	0.45	0.45	0.45	0.43

PTO							
Clutch type depending on option	Mechanically/hydraulically supported						
540/1000 rpm	○	○	○	○	○	○	○
540/540 ECO rpm	●	●	●	●	●	●	●
Ground speed PTO	○	○	○	○	○	○	○

Road safety							
Braking system (multiple discs in oil bath and all-wheel auto activation)	●	●	●	●	●	●	●
Hydraulic trailer braking system	●	●	●	●	●	●	●

All-wheel drive front axle²							
Electrohydraulic operation	●	●	●	●	●	●	●
Differential locks front/rear (self-locking multi-disc clutch at front / dog clutch at rear)	●	●	●	●	●	●	●
Max. steering angle	Degrees 52	52	52	54	54	55	
Castor angle	Degrees 6	6	6	10	10	10	
Angle of oscillation	Degrees 8	8	7	8	8	6	
Turning radius	m 3.76	3.66	3.90	3.75	3.64	3.55	
With external width	mm 1482	1482	1550	1291	1291	1077	

● Standard ○ Optional □ Available – Not available

¹ Values correspond to permissible values in accordance with 97/68/EC, ISO TR 14396 or 2000/25/EC.

² Rear-wheel drive available on all models except 240 F, 230 F, 230 FB, 220 FB, 240 VL and 230 VL. 30 km/h transmission with rear-wheel drive.

NEXOS

	240 F	230-220-210 F	230-220-FB	240 VL	230-220-210 VL	230-220-210 VE
Hydraulic system						
Engine speed at max. hydraulic pump output	rpm 2200	2300	2300	2200	2300	2300
Hydraulic pump output for steering, brakes and own requirements	l/min 25	26	25	25	26	26
Max. operating pressure	bar 190	190	190	190	190	190
2-pump hydraulic circuit	●	●	●	●	●	●
Hydraulic pump output for rear linkage and spool valves	l/min 57	59	59	57	59	59
Max. operating pressure	bar 190	190	190	190	190	190
3-pump hydraulic circuit	○	○	–	○	○	○
Hydraulic pump output for spool valves	l/min 57	59	–	57	59	59
Hydraulic pump output for rear linkage	l/min 25	26	–	25	26	26
Max. operating pressure	bar 190	190	–	190	190	190
Number of mechanical spool valves (min.–max.)	2–4	2–4	2–3	2–4	2–4	2–4
Four electronic spool valves, two of which joystick-controlled	○	○	–	○	○	○
Flow control on all electronic spool valves	●	●	–	●	●	●

Rear linkage							
Max. lifting power at ball ends	kg 3160	3160	2610	3160	3160	2610	
Continuous lifting power at 610 mm	kg 2160	2160	1730	2160	2160	1730	
External operation for rear linkage	○	○	○	○	○	○	
TRACTO CONTROL ELECTRONIC (TCE 6)	○	○	–	○	○	○	
Hydraulic lift rod	○	○	○	○	○	–	
Hydraulic side stabilisers	○	○	–	○	○	–	

Front linkage							
Front linkage	○	○	○	○	○	○	
Max. lifting capacity at ball ends	kg 2800	2800	2800	2800	2800	2800	

Cab							
Cab/platform	□/□	□/□	–/□	□/□	□/□	□/□	
Driver's seat, mechanical suspension	●	●	●	●	●	●	
Driver's seat, air suspension	○	○	–	○	○	○	
Steering column, height and angle adjustable	□	□	–	□	□	□	
Heating	●	●	–	●	●	●	
Air conditioning	○	○	–	○	○	○	
Opening rear window	●	●	–	●	●	●	
Opening front window	●	●	–	●	●	●	
Rear window wiper	○	○	–	○	○	○	
Max. number of work lights	2 front / 2 rear	2 front / 2 rear	1 rear	2 front / 2 rear	2 front / 2 rear	2 front / 2 rear	

Weight							
(all-wheel drive, standard tyres, with oil and fuel, without driver)							
Rear wheels	14.9 R 28	14.9 R 28	380/70 R 20	14.9 R 28	14.9 R 28	13.6 R 28	
Front wheels	320/70 R 20	320/70 R 20	260/70 R 16	7.50 R 18	7.50 R 18	7.50 R 16	
Weight without ballast (platform/cab)	kg 2965/3200	2895/3130	2600	2795/3110	2725/3040	2595/2810	
Max. front ballast without front linkage	kg 365	365	245	245	245	245	
Permissible total weight	kg 4400	4400	4200	4400	4400	4100	

● Standard ○ Optional □ Available – Not available

CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual.

All technical specifications relating to engines are based on the European emission regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.