

# NEXOS

		240 F-VL	230 F-VL-VE	220 F-VL-VE	210 F-VL-VE	
<b>Engine</b>						
Manufacturer		FPT	FPT	FPT	FPT	
Number of cylinders / intake		4/TI	4/TI	4/TI	4/T	
Cubic capacity	cm <sup>3</sup>	4500	3200	3200	3200	
Nominal engine speed	rpm	2200	2300	2300	2300	
Output at nominal engine speed (ISO TR 14396) <sup>1</sup>	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 rise	%	34	30	39	26	
Visco fan		●	●	●	●	
Max. fuel capacity	l	92	92	92	92	
Oil-change interval	h	500	500	500	500	
Upper exhaust		■	■	■	■	
Lower exhaust		■	■	■	■	
		240 F	230-220-210 F	240 VL	230-220-210 VL	230-220-210 VE
<b>Transmission</b>						
Top speed	km/h	40/30	40/30	40/30	40/30	40/30
12F/12R with mechanical reverser and 30-km/h transmission		■	■	■	■	■
24F/24R with mechanical reverser and splitter and 30- or 40-km/h transmission		■	■	■	■	■
24F/24R with mechanical reverser and TWINSHIFT two-stage powershift and 30- or 40-km/h transmission		■	■	■	■	■
24F/12R with REVERSHIFT hydraulic reverser and TWINSHIFT two-stage powershift and 30- or 40-km/h transmission		■	■	■	■	■
Min. speed with 12F/12R transmission	km/h	1.31	1.31	1.25	1.25	1.20
Min. speed with all transmissions except 12F/12R	km/h	0.47	0.47	0.45	0.45	0.43
<b>Power take-off</b>						
Clutch type depending on option		Mechanically/hydraulically supported				
540 rpm		■	■	■	■	■
540/1000 rpm		■	■	■	■	■
540/540 ECO rpm		■	■	■	■	■
PTO shaft (except for 540 rpm)		○	○	○	○	○
<b>Road safety</b>						
Braking system (multiple discs in oil bath and all-wheel auto activation)		●	●	●	●	●
Hydraulic trailer braking system		●	●	●	●	●
<b>All-wheel drive front axle<sup>2</sup></b>						
Electrohydraulic operation		●	●	●	●	●
Self-locking differential front/rear (self-locking multidisc clutch at front / dog clutch at rear)		●	●	●	●	●
Max. steering angle	degrees	52	52	54	54	55
Castor angle	degrees	8	8	8	8	6
Angle of oscillation	degrees	6	6	10	10	10
Turning radius	m	3.76	3.66	3.75	3.64	3.55
External width	mm	1482	1482	1291	1291	1077

● Standard ○ Optional ■ Available – Not available

<sup>1</sup> Values correspond to permissible values in accordance with 97/68/EG, ECE R 120 or 2000/25/EG.

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

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		240 F	230-220-210 F	240 VL	230-220-210 VL	230-220-210 VE
<b>Hydraulic system</b>						
Engine speed at max. hydraulic pump output	rpm	2200	2300	2200	2300	2300
Hydraulic pump output for steering, brakes and own requirements	l/min	25	26	25	26	26
Max. operating pressure	bar	190	190	190	190	190
<b>2-pump hydraulic circuit</b>						
Hydraulic pump output for rear linkage and spool valves	l/min	57	59	57	59	59
Max. operating pressure	bar	190	190	190	190	190
<b>3-pump hydraulic circuit</b>						
Hydraulic system for rear linkage	l/min	57	59	57	59	59
Hydraulic system for spool valves	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	2–4	2–4	2–4
Four electronic spool valves, two of which joystick-controlled		○	○	○	○	○
Flow control on all electronic spool valves		●	●	●	●	●
<b>Rear linkage</b>						
Max. lifting power at ball ends	kg	3160	3160	3160	3160	2610
Continuous lifting power at 610 mm	kg	2160	2160	2160	2160	1730
External operation for rear linkage		○	○	○	○	○
TRACTO CONTROL ELECTRONIC (TCE 6)		○	○	○	○	○
Hydraulic lift supports and hydraulic side stabilisers		○	○	○	○	–
<b>Front linkage</b>						
Front linkage		○	○	○	○	○
Max. lifting power at ball ends	kg	2800	2800	2800	2800	2800
Front PTO shaft		○	○	○	○	○
<b>Cab</b>						
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	2 front / 2 rear	2 front / 2 rear
<b>Weight</b>						
(all-wheel drive, standard tyres, with oil and fuel, without driver)						
Rear wheels		380/85 R 28	380/85 R 28	14.9 R 28	14.9 R 28	13.6 R 28
Front wheels		9.5 R 20	9.5 R 20	7.50 R 18	7.50 R 18	7.50 R 16
Weight without ballast (platform/cab)	kg	2965/3200	2895/3130	2795/3110	2725/3040	2595/2810
Max. front ballast without front lift linkage	kg	365	365	245	245	245
Permissible total weight	kg	4400	4400	4400	4400	4100

● Standard ○ Optional ■ Available – Not available

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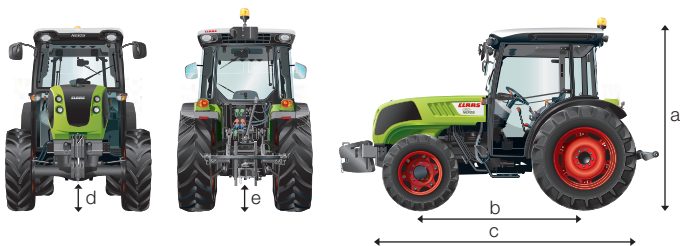
Dimensions		240 F	230-220- 210 F	240 VL	230-220- 210 VL	230-220- 210 VE
Rear wheels		380/70 R 24	380/70 R 24	12.4 R 28	12.4 R 28	9.5 R 28
Front wheels		280/70 R 18	280/70 R 18	7.50 R 16	7.50 R 16	6.50 R 16
Height with cab (a)	mm	2330	2330	2305	2305	2282
Height with platform (roll bar extended/retracted)	mm	2480/1489	2480/1489	2455/1464	2455/1464	2432/1439
Minimum external width with rear-wheel drive and platform	mm	1457	1457	1260	1260	1000
Minimum external width with all-wheel drive and cab	mm	1482	1482	1291	1291	1077
<b>Length</b>						
Wheelbase (b)	mm	2161	2074	2185	2098	2098
Overall length (without additional front ballast) (c)	mm	4078	3991	4078	3991	3991
<b>Ground clearance</b>						
Front axle with all-wheel drive (d)	mm	294	294	306	306	271
Rear axle (without swinging drawbar) (e)	mm	355	355	330	330	295

## Tyres for rear-wheel drive version

Rear tyres	Front tyres	F	VL	VE
13.6 (340/85) R 24	6.00-16	–	■	■
13.6 (340/85) R 24	6.50-16	–	–	■
13.6 (340/85) R 24	7.50-16	–	■	–
360/70 R 24	6.00-16	–	–	■
360/70 R 24	6.50-16	–	–	■
9.5 (250/85) R 28	6.00-16	–	–	■
9.5 (250/85) R 28	6.50-16	–	–	■
11.2 (280/85) R 28	6.00-16	–	■	■
11.2 (280/85) R 28	6.50-16	–	–	■
11.2 (280/85) R 28	7.50-16	–	■	–
12.4 (320/85) R 28	6.00-16	–	■	–
12.4 (320/85) R 28	6.50-16	■	–	■
12.4 (320/85) R 28	7.50-16	■	■	–
13.6 (340/85) R 28	6.50-16	■	■	–
13.6 (340/85) R 28	7.50-16	■	■	–
380/70 R 28	7.50-16	■	–	–
14.9 (380/85) R 28	7.50-16	■	–	–

## Tyres for all-wheel drive version

Rear tyres	Front tyres	F	VL	VE
12.4 (320/85) R 24	6.50 R 16	–	–	■
13.6 (340/85) R 24	6.50 R 16	–	–	■
13.6 (340/85) R 24	10.0/75 R 15.3	–	–	■
360/70 R 24	240/70 R 16	–	–	■
380/70 R 24	260/70 R 16	–	■	–
380/70 R 24	280/70 R 18	■	–	–
420/70 R 24	280/70 R 20	■	–	–
480/65 R 24	280/70 R 18	■	–	–
9.5 (250/85) R 28	6.50 R 16	–	–	■
11.2 (280/85) R 28	6.50 R 16	–	–	■
12.4 (320/85) R 28	7.50 R 16	–	■	■
13.6 (340/85) R 28	7.50 R 16	–	■	■
13.6 (340/85) R 28	8.25 R 16	–	■	–
13.6 (340/85) R 28	280/70 R 18	–	■	–
360/70 R 28	280/70 R 16	–	–	■
380/70 R 28	280/70 R 20	■	–	–
14.9 (380/85) R 28	7.50 R 18	–	■	–
14.9 (380/85) R 28	280/70 R 18	–	■	–
380/85 R 28	9.5 R 20	■	–	–
420/70 R 28	280/70 R 18	–	■	–
420/70 R 28	260/80 R 20	■	–	–
420/70 R 28	300/70 R 20	■	–	–
420/70 R 28	320/70 R 20	■	–	–
480/65 R 28	320/70 R 20	■	–	–



● Standard ○ Optional ■ Available – Not available