

# 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 four wheel auto activation)		●	●	●	●	●
Hydraulic trailer braking system		●	●	●	●	●
<b>Four 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> Two wheel drive available on all models except 240 F, 230 F, 240 VL and 230 VL. 30-km/h transmission with two 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 spool valves	l/min	57	59	57	59	59
Hydraulic system 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	2–4	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>						
(four 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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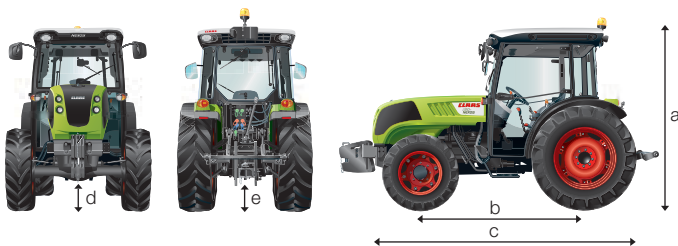
Dimensions		240 F	230-220- 210 F	240 VL	230-220- 210 VL	230-220- 210 VE
		Rear wheels	380/70 R 24	380/70 R 24	12.4 R 28	12.4 R 28
Front wheels		280/70 R 18	280/70 R 18	7.50 R 16	7.50 R 16	6.50 R 16
Height with cab (a)	mm	2330	2330	2305	2305	2282
Height with platform (roll bar extended/retracted)	mm	2480/1489	2480/1489	2455/1464	2455/1464	2432/1439
Minimum external width with two wheel drive and platform	mm	1457	1457	1260	1260	1000
Minimum external width with four 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 four wheel drive (d)	mm	294	294	306	306	271
Rear axle (without swinging drawbar) (e)	mm	355	355	330	330	295

## Tyres for two 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 four 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