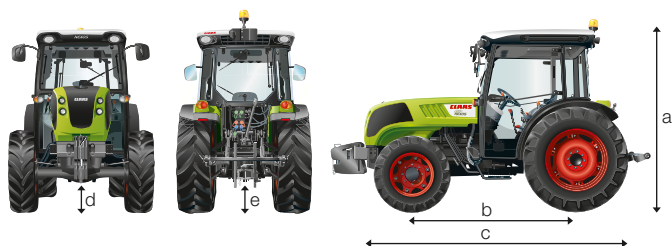


NEXOS		240 F	230 F	230 FB	240 VL	230 VL	230 VE
<b>Dimensions</b>							
Rear wheels		380/70 R 24	380/70 R 24	380/70 R 20	12.4 R 28	12.4 R 28	9.5 R 28
Front wheels		280/70 R 18	280/70 R 18	260/70 R 16	7.50 R 16	7.50 R 16	6.50 R 16
Height with cab (a)	mm	2330	2330	–	2305	2305	2282
Height with platform (roll bar extended/retracted)	mm	2480/1489	2480/1489	2390/1250	2455/1464	2455/1464	2432/1439
Minimum external width with 2WD and platform	mm	1457	1457	1418 <sup>1</sup>	1260	1260	1000
Minimum external width with 4WD and cab	mm	1482	1482	–	1291	1291	1077
<b>Length</b>							
Wheelbase (4WD) (b)	mm	2161	2074	2074	2185	2098	2098
Overall length (without additional front ballast) (c)	mm	4078	3991	3864	4078	3991	3991
<b>Ground clearance</b>							
Front axle with 4WD (d)	mm	294	294	230	306	306	271
Rear axle (without drawbar) (e)	mm	355	355	210	330	330	295

Tyres for 2WD version		
Rear tyres	Front tyres	VE
13.6 (340/85) R 24	6.00-16	□
13.6 (340/85) R 24	6.50-16	□
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	□
12.4 (320/85) R 28	6.50-16	□

Tyres for 4WD version					
Rear tyres	Front tyres	F	FB	VL	VE
380/70 R 20	260/70 R 16	–	□	–	–
12.4 (320/85) R 24	6.50-16	–	–	–	□
13.6 (340/85) R 24	6.50-16	–	–	–	□
13.6 (340/85) R 24	10.0/75 R 15.3	–	–	–	□
360/70 R 24	240/70 R 16	–	–	–	□
360/70 R 24	280/70 R 16	–	□	–	–
380/70 R 24	260/70 R 16	–	–	□	–
380/70 R 24	280/70 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	□	–	–	–



<sup>1</sup> Min. external width with 4WD and platform

NEXOS		240 F-VL	230 F-FB-VL-VE
<b>Engine</b>			
Manufacturer		FPT	FPT
Number of cylinders / intake		4/TI	4/TI
Cubic capacity	cm <sup>3</sup>	4500	3200
Nominal engine speed	rpm	2200	2300
Output at nominal engine speed (ECE R 120) <sup>1</sup>	kW/hp	74/101	65/88
Engine speed at max. torque	rpm	1250	1300
Max. torque	Nm	430	350
Viscous fan		●	●
Max. fuel tank capacity	l	75	75 (FB: 67)
Auxiliary fuel tank in VL and F	l	19	19
Oil-change interval	h	500	500
Top exhaust		○	○
Bottom exhaust		●	●

NEXOS		240 F	230 F	230 FB	240 VL	230 VL	230 VE
<b>Transmission</b>							
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	0.36	0.36	0.36	0.36	0.36	0.34

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

<b>Road safety</b>							
Braking system (multiple discs in oil bath and automatic 4WD activation)		●	●	●	●	●	●
Hydraulic trailer braking system		●	●	●	●	●	●

<b>4WD front axle<sup>2</sup></b>							
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	8	8	8	6
Turning radius	m	3.76	3.66	3.66	3.75	3.64	3.55
With external width	mm	1482	1482	1482	1291	1291	1077

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

<sup>2</sup> Rear wheel drive available for 230 VE only

NEXOS		240 F	230 F	230 FB	240 VL	230 VL	230 VE
<b>Hydraulic system</b>							
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	26	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
Three or four electronic spool valves, two of which are joystick-controlled		○	○	–	○	○	○
Flow control on all electronic spool valves		●	●	–	●	●	●

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

<b>Front linkage</b>							
Front linkage		○	○	○	○	○	○
Max. lifting capacity at ball ends	kg	2800	2800	2800	2800	2800	2800
Front PTO 1000 rpm		○	○	○	○	○	○

<b>Cab</b>							
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

<b>Weight (4WD, standard tyres, with oil and fuel, without driver)</b>							
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	2595	2795/3110	2725/3040	2595/2810
Max. front ballast without front linkage	kg	250	250	250	250	250	250
Permissible gross weight	kg	4400	4400	4200	4400	4400	4100

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