

ARION

	430 CIS	430	420 CIS	420	410 CIS	410
Engine						
Manufacturer	DPS	DPS	DPS	DPS	DPS	DPS
Number of cylinders/intake	4/TI	4/TI	4/TI	4/TI	4/TI	4/TI
Common rail injection	●	●	●	●	●	●
Cubic capacity	cm ³	4525	4525	4525	4525	4525
Nominal engine speed	rpm	2200	2200	2200	2200	2200
Engine speed at maximum output	rpm	2100	2000	2000	2000	1900
Output at nominal engine speed (97/68/EC ¹)	kW/hp	98/133	89/121	90/122	81/110	83/113
Output at nominal engine speed (ECE R 120 ²)	kW/hp	85/115	85/115	77/105	77/105	70/95
Max. output (ECE R 120 ²)	kW/hp	88/120	88/120	81/110	81/110	75/100
Max. output with CPM (ECE R 120 ²)	kW/hp	95/130	–	88/120	–	81/110
Output at nominal engine speed (ECE R 24)	kW/hp	81/110	81/110	75/100	75/100	66/90
Max. output (ECE R 24)	kW/hp	85/115	85/115	77/105	77/105	70/95
Max. output with CPM (ECE R 24)	kW/hp	92/125	–	85/115	–	77/105
Constant output	rpm	400	400	400	550	450
Max. torque (ECE R 120 ²)	Nm	495	495	465	465	420
Max. torque with CPM (ECE R 120 ²)	Nm	510	–	500	–	460
Engine speed at max. torque	rpm	1200 – 1650	900 – 1650	1300 – 1650	900 – 1650	1000 – 1650
Torque increase	%	31	39	39	43	45
Max. fuel capacity	l	175	175	175	175	175
Oil-change interval	h	500	500	500	500	500

Transmission

Ratios F/R		16/16	16/16	16/16	16/16	16/16	16/16
Max. speed at 2200 rpm	km/h	1.97	1.97	1.97	1.97	1.97	1.97
Max. speed	km/h	40	40	40	40	40	40
REVERSHIFT clutchless reverser		●	●	●	●	●	●
Number of powershift steps		4	4	4	4	4	4
Electronically controlled groups		4	4	4	4	4	4
QUADRACTIV		○	–	○	–	○	–
Joystick for gear changing		○	–	○	–	○	–
Min speed with creep gear	km/h	0.14	0.14	0.14	0.14	0.14	0.14

Rear axle

Electrohydraulically connected differential locks		●	●	●	●	●	●
Automatic differential locks		●	●	●	●	●	●
Max. rear tyres		600/65 R 38	600/65 R 38	600/65 R 38	600/65 R 38	600/65 R 38	600/65 R 38

● Standard ○ Optional – Not available

¹ Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

² Meets ISO TR 14396

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.

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Power take-off						
Wet multi-disc clutch	●	●	●	●	●	●
Remote control emergency stop	●	●	●	●	●	●
Remote control actuation	●	○	●	○	●	○
540/1000	●	●	●	●	●	●
540/540E/1000/1000E	○	○	○	○	○	○
PTO shaft management	●	–	●	–	●	–
Changeable PTO shaft stub	●	●	●	●	●	●
Number of splines	6/21	6/21	6/21	6/21	6/21	6/21

4-wheel drive front axle

Electrohydraulic operation		●	●	●	●	●
Automatic 4-wheel drive		●	●	●	●	●
Max. steering angle	Degrees	55	55	55	55	55
Castor angle	Degrees	6	6	6	6	6
Angle of oscillation	Degrees	10	10	10	10	10
Turning radius	m	4.4	4.4	4.4	4.4	4.4
Track	mm	1950	1950	1950	1950	1950
with tyres		13.6 R 28	13.6 R 28	13.6 R 28	13.6 R 28	13.6 R 28
Rigid or swivelling mudguards		○	○	○	○	○

Hydraulics

Max. operating pressure	bar	195	195	195	195	195
Open hydraulic circuit I		○	●	○	●	○
Flow at rated speed	l/min	60	60	60	60	60
Open hydraulic circuit II		●	○	●	○	●
Flow at rated speed	l/min	98	98	98	98	98
Quantity control		●	●	●	●	●
2 electronic spool valves with joystick operation		○	–	○	–	○
Number of spool valves (min./max.)	min/max	2/4	2/4	2/4	2/4	2/4

Rear linkage

Max. lifting power at ball ends	kg	6500	6500	6500	6500	6500
Continuous lifting power at 610 mm	kg	4100	4100	4100	4100	4100
Vibration damping		●	●	●	●	●
External operation for rear linkage		●	●	●	●	●
Trailer hydraulic brake		○	○	○	○	○
Air brake system		○	○	○	○	○

Cab

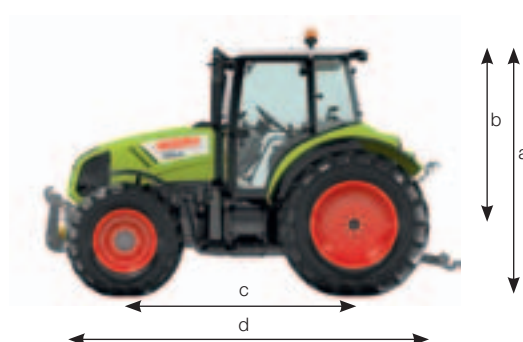
Air conditioning		○	○	○	○	○
CIS (CLAAS INFORMATION SYSTEM)		●	–	●	–	●
Cooler compartment		○	○	○	○	○
Passenger seat		●	●	●	●	●
MP3 Bluetooth Radio		○	○	○	○	○
Air-suspended low-frequency seat		○	–	○	–	○
Noise level	db(A)	72	72	72	72	72

● Standard ○ Optional – Not available

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Dimensions							
Rear wheels		18.4 R 38	18.4 R 38	18.4 R 34	18.4 R 34	16.9 R 34	16.9 R 34
Front wheels		14.9 R 28	14.9 R 28	14.9 R 24	14.9 R 24	13.6 R 24	13.6 R 24
Height							
Overall height (a)	mm	2811	2811	2761	2761	2736	2736
Centre of rear axle – top of cab (b)	mm	1986	1986	1986	1986	1986	1986
Length							
Wheelbase (c)	mm	2564	2564	2564	2564	2564	2564
Length (without front weight) (d)	mm	4442	4442	4442	4442	4442	4442
Ground clearance							
Front axle (e)	mm	516	516	466	466	441	441
Rear axle (f)	mm	505	505	455	455	430	430
Weight							
Rear wheels		18.4 R 38	18.4 R 38	18.4 R 38	18.4 R 38	16.9 R 38	16.9 R 38
Front wheels		14.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	13.6 R 28	13.6 R 28
Weight without ballast	kg	4900	4900	4900	4900	4800	4800
Max. front ballast	kg	722	722	722	722	722	722
Weight distribution with ballast (rear/front)	%	50/50	50/50	50/50	50/50	49/51	49/51
Max. permissible total weight	kg	8800	8800	8800	8800	8800	8800

		430	420	410
Tyres				
Rear tyres	Front tyres			
16.9 (420/85) R 34	13.6 (340/85) R 24	□	□	□
480/70 R 34	340/85 R 24	□	□	□
540/65 R 34	440/65 R 24	□	□	□
18.4 (460/85) R 34	14.9 (380/85) R 24	□	□	□
520/70 R 34	420/70 R 24	□	□	□
600/65 R 34	480/65 R 24	□	□	□
13.6 (340/85) R 38	11.2 (280/85) R 28	–	□	□
16.9 (420/85) R 38	13.6 (340/85) R 28	□	□	□
480/70 R 38	380/70 R 28	□	□	□
540/65 R 38	440/65 R 28	□	□	□
18.4 (460/85) R 38	14.9 (380/85) R 28	□	□	□
600/65 R 38	480/65 R 28	□	□	□
520/70 R 38	420/70 R 28	□	□	□
600/60 R 38	480/60 R 28	□	□	□
650/60 R 38	520/60 R 28	□	–	–
16.9-34 ¹	14.9-24 ¹	□	□	□
18.4 (480/80) R 34 ¹	14.9 (400/80) R 24 ¹	□	□	□
18.4 (480/80) R 38 ¹	14.9 (400/80) R 28 ¹	□	□	□



□ Available ¹ Tyres with industrial tread