

ARION		430	420	410
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Engine

Manufacturer		DPS	DPS	DPS
Number of cylinders / intake		4/TI ¹	4/TI ¹	4/TI ¹
Common rail injection		●	●	●
Cubic capacity	cm ³	4525	4525	4525
Nominal engine speed	rpm	2200	2200	2200
Engine speed at maximum output	rpm	2100	2000	2000
Type approval value (97/68/EC ²)	kW/hp	98/133	90/122	83/113
Output at nominal engine speed (ECE R 120 ³)	kW/hp	85/115	77/105	70/95
Max. output (ECE R 120 ³)	kW/hp	88/120	81/110	75/100
Max. output with CPM (ECE R 120 ³)	kW/hp	95/130	88/120	81/110
Constant output	rpm	400	400	300
Max. torque (ECE R 120 ³)	Nm	495	465	420
Max. torque with CPM (ECE R 120 ³)	Nm	510	500	460
Engine speed at max. torque	rpm	1200 – 1650	1300 – 1650	1000 – 1650
Torque increase	%	31	39	40
Max. fuel tank capacity	l	175	175	175
Oil-change interval	h	500	500	500

Transmission

Ratios F/R		16/16	16/16	16/16
Min. speed at 2200 rpm	km/h	1.97	1.97	1.97
Max. speed	km/h	40	40	40
REVERSHIFT clutchless reverser		●	●	●
Powershift speeds		4	4	4
Electronically controlled ranges		4	4	4
QUADRACTIV		○	○	○
Multifunction control lever to operate the transmission ⁴		○	○	○
Min speed with creep gear	km/h	0.49	0.49	0.49

Rear axle

Electrohydraulically activated differential locks		●	●	●
Automatic differential locks		●	●	●
Max. rear tyres		650/60 R 38	600/65 R 38	600/65 R 38

PTO

Wet multi-disc clutch		●	●	●
External controls		○	○	○
540/1000		●	●	●
540/540E/1000/1000E		○	○	○
PTO shaft management		○	○	○
Changeable PTO stub		●	●	●
Number of splines		6/21	6/21	6/21

¹ TI: Turbocharger and intercooler

² Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

³ Meets ISO TR 14396

⁴ Only with ELECTROPILOT

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Four-wheel drive front axle

Electrohydraulic operation		●	●	●
Automatic 4-wheel drive		●	●	●
Max. steering angle	degrees	55	55	55
Castor angle	degrees	6	6	6
Angle of oscillation	degrees	10	10	10
Turning radius	m	4.40	4.40	4.40
Track	mm	1950	1950	1950
with tyres		13.6 R 28	13.6 R 28	13.6 R 28
Fixed or pivoting mudguards		○	○	○

Hydraulics

Max. operating pressure	bar	195	195	195
Open hydraulic circuit		○	○	○
Flow at rated speed	l/min	60	60	60
Combined twin pump open hydraulic circuit		●	●	●
Flow at rated speed	l/min	98	98	98
Flow control		●	●	●
ELECTROPILOT (2 electronic spool valves operated by multifunction control lever)		○	○	○
Number of spool valves	min/max	2/4	2/4	2/4

Rear linkage

Max. lifting capacity at ball ends	kg	6500	6500	6500
Continuous lifting power at ball ends	kg	4100	4100	4100
Vibration damping		●	●	●
External rear linkage operation		●	●	●
Hydraulic trailer brake		●	●	●
Air brakes		○	○	○

Cab

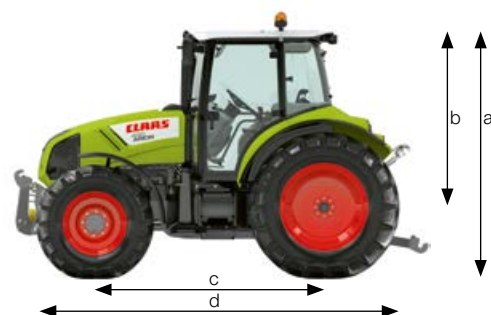
Air conditioning		●	●	●
CIS (CLAAS INFORMATION SYSTEM)		●	●	●
On-board computer functions		○	○	○
Adjustable steering column		●	●	●
Cooler compartment		○	○	○
Passenger seat		○	○	○
MP3 Bluetooth radio		○	○	○
Driver's seat with air suspension, swivelling		○	○	○
Seat with mechanical suspension		●	●	●
Noise level	db(A)	72	72	72

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.

ARION		430	420	410
Dimensions				
Rear wheels		18.4 R 34	16.9 R 34	16.9 R 34
Front wheels		14.9 R 24	13.6 R 24	13.6 R 24
Height				
Overall height (a)	mm	2761	2736	2736
Centre of rear axle – top of cab (b)	mm	1986	1986	1986
Length				
Wheelbase (c)	mm	2564	2564	2564
Length (without front weight) (d)	mm	4442	4442	4442
Ground clearance				
Front axle (e)	mm	466	441	441
Rear axle (f)	mm	455	430	430
Weight				
Rear wheels		18.4 R 38	18.4 R 38	16.9 R 38
Front wheels		14.9 R 28	14.9 R 28	13.6 R 28
Weight without ballast	kg	4900	4900	4800
Max. front ballast without front linkage	kg	718	718	718
Weight distribution with ballast (rear / front)	%	50/50	50/50	49/51
Max. permissible gross weight	kg	8800	8800	8800

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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	□	□	□
480/70 R 34	380/70 R 24	□	□	□
480/75 R 34	380/75 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 ¹	480/60 R 28	□	□	□
650/60 R 38 ¹	520/60 R 28	□	–	–
16.9-34 ²	14.9-24 ²	□	□	□
18.4 (480/80) R 34 ²	14.9 (400/80) R 24 ²	□	□	□
18.4 (480/80) R 38 ²	14.9 (400/80) R 28 ²	□	□	□



- XeoBib tyres
- Tyres with industrial tread