

ARION		470	460	450	440	430	420	410	460 M	450 M	420 M
Engine											
Manufacturer		FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Number of cylinders		4	4	4	4	4	4	4	4	4	4
Cubic capacity	cm ³	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
Turbocharger		–	–	–	–	–	●	●	–	–	●
Turbocharger with wastegate		●	●	●	●	●	–	–	●	●	–
Rated output (ECE R 120) ²	kW/hp	103/140	96/130	88/120	81/110	81/110	70/95	63/85	96/130	88/120	70/95
Max. output (ECE R 120) ²	kW/hp	107/145	99/135	92/125	85/115	85/115	75/100	67/90	99/135	92/125	75/100
Max. output with CPM (ECE R 120) ²	kW/hp	114/155	107/145	99/135	92/125	–	–	–	–	–	–
Rated output type approval value ¹	kW/hp	113/154	104/141	97/132	89/121	84/114	72/98	66/90	97/132	89/121	72/98
Max. output type approval value ¹	kW/hp	114/155	108/147	101/137	94/128	87/118	75/102	67/91	101/137	94/128	75/102
Max. torque (ECE R 120) ²	Nm	631	615	573	539	505	434	405	573	539	434
Engine speed at maximum output	rpm	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Max. fuel tank capacity	l	190	190	190	190	190	140	140	190	190	190
Max. urea tank capacity	l	22	22	22	22	22	17	17	22	22	22
Oil-change interval	h	600	600	600	600	600	600	600	600	600	600

QUADRISHIFT powershift transmission

Ratios F/R		16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16
Powershift speeds		4	4	4	4	4	4	4	4	4	4
Electrohydraulically controlled ranges		4	4	4	4	4	4	4	4	4	4
REVERSHIFT clutchless reverser		●	●	●	●	●	●	●	●	●	●
Min. speed at 2200 rpm	km/h	2.04	2.04	2.04	2.04	2.04	1.85	1.85	2.04	2.04	2.04
Min. speed with creep gear	km/h	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.15	0.15
Max. speed	km/h	40	40	40	40	40	40	40	40	40	40
QUADRACTIV powershift unit		○	○	○	○	○	○	○	○	○	○

HEXASHIFT powershift transmission

Ratios F/R		24/24	24/24	24/24	24/24	24/24	–	–	24/24	24/24	24/24
Powershift speeds		6	6	6	6	6	–	–	6	6	6
Electrohydraulically controlled ranges		4	4	4	4	4	–	–	4	4	4
REVERSHIFT clutchless reverser		●	●	●	●	●	–	–	●	●	●
Min. speed at 2200 rpm	km/h	1.75	1.75	1.75	1.75	1.75	–	–	1.75	1.75	1.75
Min. speed with creep gear	km/h	0.13	0.13	0.13	0.13	0.13	–	–	0.13	0.13	0.13
Max. speed	km/h	40	40	40	40	40	–	–	40	40	40
HEXACTIV powershift unit		○	○	○	○	○	–	–	○	○	○

Rear axle

Electrohydraulically activated differential locks		●	●	●	●	●	●	●	●	●	●
Automatic differential lock		●	●	●	●	●	●	●	●	●	●
Max. rear wheel tyres (diameter)	m	1.75	1.75	1.75	1.75	1.75	1.70	1.70	1.75	1.75	1.75
Oil-change interval	h	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800

PTO

Wet multi-disc clutch		●	●	●	●	●	●	●	●	●	●
External operation of engagement and emergency stop		○	○	○	○	○	○	○	○	○	○
540/540E		–	–	○	○	○	○	○	●	●	●
540/1000		–	–	●	●	●	●	●	○	○	○
540/540E/1000		●	●	○	○	○	○	○	○	○	○
540/540 E/1000 and ground speed PTO		○	○	○	○	○	–	–	○	○	○
Changeable PTO stub		●	●	●	●	●	●	●	●	●	●
1¾" PTO stub, 6 splines		○	○	○	○	○	○	○	○	○	○
1¾" PTO stub, 6 and 21 splines		●	●	●	●	●	●	●	●	●	●
Automatic PTO engagement/ disengagement		○	○	○	○	○	○	○	○	○	○

Four-wheel drive front axle

Rigid front axle		●	●	●	●	●	●	●	●	●	●
PROACTIV suspended front axle		○	○	○	○	○	○	○	○	○	○
Speed-dependent automatic 4-wheel drive		●	●	●	●	●	●	●	●	●	●
Steering angle-dependent automatic 4-wheel drive		○	○	○	○	○	○	○	○	○	○
Optimum turning radius	m	4.90	4.90	4.90	4.50	4.50	4.25	4.25	4.90	4.90	4.90
Fixed mudguards		●	●	●	●	●	●	●	●	●	●
Pivoting mudguards		○	○	○	○	○	○	○	○	○	○

¹ Performance data fit criteria for admissibility.

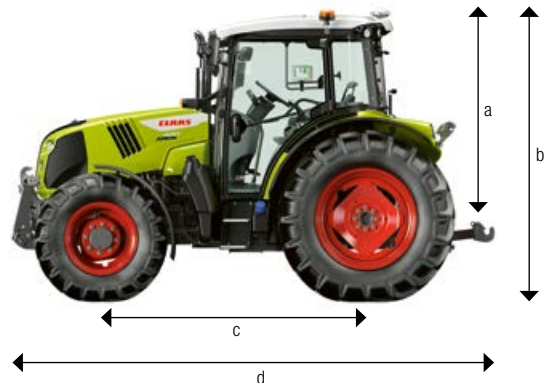
² Meets ISO TR 14396

ARION		470	460	450	440	430	420	410	460 M	450 M	420 M
Hydraulics											
Open-centre hydraulic circuit, 60 l/min		○	○	○	○	○	○	○	○	○	○
Output at nominal engine speed	l/min	60	60	60	60	60	60	60	60	60	60
Max. operating pressure	bar	195	195	195	195	195	195	195	195	195	195
Number of mechanical spool valves at the rear (min./max.)		2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
FLEXPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Flow rate control for one mechanical spool valve		●	●	●	●	●	●	●	●	●	●
Open-centre hydraulic circuit, 100 l/min		○	○	○	○	○	○	○	○	○	○
Output at nominal engine speed	l/min	100	100	100	100	100	100	100	100	100	100
Max. operating pressure	bar	195	195	195	195	195	195	195	195	195	195
Number of mechanical spool valves at the rear (min./max.)		2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
FLEXPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
ELECTROPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Flow rate control for one mechanical spool valve		●	●	●	●	●	●	●	●	●	●
Load-sensing circuit 110 l/min		○	○	○	○	○	○	○	○	○	○
Output at nominal engine speed	l/min	110	110	110	110	110	110	110	110	110	110
Max. operating pressure	bar	200	200	200	200	200	200	200	200	200	200
Number of mechanical spool valves at the rear (min./max.)		2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
FLEXPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Number of electronic spool valves at the rear (min./max.)		2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
ELECTROPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Flow rate control for all spool valves		○	○	○	○	○	○	○	○	○	○
Load-sensing circuit 150 l/min		○	○	○	○	○	○	○	○	○	○
Output at nominal engine speed	l/min	150	150	150	150	150	150	150	150	150	150
Max. operating pressure	bar	200	200	200	200	200	200	200	200	200	200
Number of mechanical spool valves at the rear (min./max.)		2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
FLEXPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Number of electronic spool valves at the rear (min./max.)		2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
ELECTROPILOT 4-way control lever		○	○	○	○	○	○	○	○	○	○
Flow rate control for all spool valves		○	○	○	○	○	○	○	○	○	○

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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		470	460	450	440	430	420	410	460 M	450 M	420 M
Rear linkage											
Lower and upper links with category 2 ball end		–	–	–	–	–	●	●	–	–	–
Lower and upper links with category III coupling hook		●	●	●	●	●	○	○	●	●	●
Max. lift capacity at ball ends	kg	5750	5750	5750	5750	5750	4500	4500	5750	5750	5750
Continuous lift capacity at 610 mm	kg	4200	4200	4200	4200	4200	3200	3200	4200	4200	4200
Max. lift capacity at ball ends with increased lift capacity	kg	6250	6250	6250	6250	6250	–	–	6250	6250	6250
Continuous lift capacity at 610 mm with increased lift capacity	kg	4700	4700	4700	4700	4700	–	–	4700	4700	4700
Vibration damping		●	●	●	●	●	●	●	●	●	●
External controls		●	●	●	●	●	●	●	●	●	●
ISOBUS socket		○	○	○	○	○	○	○	○	○	○
25 amp socket		●	●	●	●	●	●	●	●	●	●
Front linkage											
Max. lift capacity at ball ends	kg	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
Front PTO 1000 rpm		○	○	○	○	○	○	○	○	○	○
Vibration damping		●	●	●	●	●	●	●	●	●	●
External operation		○	○	○	○	○	○	○	○	○	○
Additional hydraulic connections		○	○	○	○	○	○	○	○	○	○
Trailer socket		●	●	●	●	●	●	●	●	●	●
Cab											
High-profile cab		□	□	□	□	□	□	□	□	□	□
Low-profile cab		□	□	□	□	□	□	□	–	–	–
PANORAMIC cab		□	□	□	□	□	□	□	–	–	–
Standard version		●	●	●	●	●	●	●	●	●	●
CIS version		○	○	○	○	○	○	○	○	○	○
CIS+ version		○	○	○	○	○	○	○	○	○	○
Air conditioning		○	○	○	○	○	○	○	○	○	○
Automatic climate control		○	○	○	○	○	○	○	○	○	○
Passenger seat with integral cool box		○	○	○	○	○	○	○	○	○	○
Adjustable steering column		●	●	●	●	●	●	●	●	●	●
Dimensions and weights											
Centre of rear axle to top of high-profile cab (a)	mm	1965	1965	1965	1965	1965	1910	1910	1965	1965	1965
Centre of rear axle to top of low-profile cab (a)	mm	1851	1851	1851	1851	1851	1796	1796	–	–	–
Overall height (b) high-profile cab ²	mm	2715	2715	2715	2715	2715	2660	2660	2715	2715	2715
Overall height (b) low-profile cab ¹	mm	2576	2576	2576	2576	2576	2496	2496	–	–	–
Wheelbase (c)	mm	2525	2525	2525	2525	2525	2489	2489	2525	2525	2525
Overall length (without front ballast, without front linkage) (d)	mm	4444	4444	4444	4444	4444	4372	4372	4444	4444	4444
Ground clearance, front axle (e)	mm	492	492	492	479	479	454	429	492	492	492
Ground clearance, rear axle (excl. drawbar) (f)	mm	469	469	469	456	456	431	406	469	469	469
Weight	kg	5300	5300	5300	5200	5200	4800	4800	5300	5300	5300
Max. permissible gross weight	kg	9000	9000	9000	9000	9000	8500	8500	9000	9000	9000



¹ Overall height with 30" tyres, without cab suspension
² Overall height with 34" tyres, without cab suspension