

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	4,525	4,525	4,525	4,525	4,525	4,525
Nominal engine speed	rpm	2,200	2,200	2,200	2,200	2,200	2,200
Output at nominal engine speed (ISO TR 14396)	kW/hp	85/115	85/115	77/105	77/105	70/95	70/95
Max. output (ISO TR 14396)	kW/hp	88/120	88/120	81/110	81/110	75/100	75/100
Max. output with CPM (ISO TR 14396)	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	66/90
Max. output (ECE R 24)	kW/hp	85/115	85/115	77/105	77/105	70/95	70/95
Max. output with CPM (ECE R 24)	kW/hp	92/125	–	85/115	–	77/105	–
Engine speed at maximum output	rpm	2,100	2,000	2,000	2,000	2,000	1,900
Constant output	rpm	400	400	400	550	300	450
Max. torque (ISO TR 14396)	Nm	495	495	465	465	420	420
Max. torque with CPM (ISO TR 14396)	Nm	510	–	500	–	460	–
Engine speed at max. torque	rpm	1,200–1,650	1,300–1,650	1,300–1,650	1,000–1,650	1,000–1,650	1,000–1,650
Torque increase	%	31	39	39	43	40	45
Max. fuel capacity	l	175	175	175	175	175	175
Oil-change interval	h	500	500	500	500	500	500
Transmission							
Ratios F/R		16/16	16/16	16/16	16/16	16/16	16/16
Max. speed at 2,200 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		○	–	○	–	○	–
Creep range	km/h	0.14	0.14	0.14	0.14	0.14	0.14
Rear axle							
Electrohydraulically connected differential locks		●	●	●	●	●	●
Automatic differential lock		●	●	●	●	●	●
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
PTO							
Wet multidisc clutch		●	●	●	●	●	●
Remote control emergency stop		●	●	●	●	●	●
Remote control actuation		●	○	●	○	●	○
540/1000		●	●	●	●	●	●
540/540E/1000/1000E		○	○	○	○	○	○
PTO shaft management		●	–	●	–	●	–
Changeable PTO shaft stub		●	●	●	●	●	●
No. of grooves		6/21	6/21	6/21	6/21	6/21	6/21

● Standard ○ Option ■ Available – Not available

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4-wheel-drive front axle							
Electrohydraulic operation		●	●	●	●	●	●
4WD auto management		●	●	●	●	●	●
Max. steering angle	degrees	55	55	55	55	55	55
Castor angle	degrees	6	6	6	6	6	6
Angle of oscillation	degrees	10	10	10	10	10	10
Turning radius	m	4.4	4.4	4.4	4.4	4.4	4.4
Track	mm	1,950	1,950	1,950	1,950	1,950	1,950
with tyres		13.6 R 28	13.6 R 28	13.6 R 28	13.6 R 28	13.6 R 24	13.6 R 24
Rigid or swivelling mudguards		○	○	○	○	○	○
Hydraulics							
Max. operating pressure	bar	195	195	195	195	195	195
Open hydraulic circuit I		○	●	○	●	–	●
Flow rate at nominal engine speed	l/min	60	60	60	60	60	60
Open hydraulic circuit II		●	○	●	○	●	○
Flow rate at nominal engine speed	l/min	98	98	98	98	98	98
Quantity control		●	●	●	●	●	●
2 electronic spool valves with joystick operation		○	–	○	–	○	–
No. of control units (min/max)	min/max	2/4	2/4	2/4	2/4	2/4	2/4
Rear lifting arms							
Max. lifting power at ball ends	kg	6,500	6,500	6,500	6,500	6,500	6,500
Continuous lifting power at 610 mm	kg	4,100	4,100	4,100	4,100	4,100	4,100
Vibration dampening		●	●	●	●	●	●
External operation for rear lift		●	●	●	●	●	●
Trailer hydraulic brake		○	○	○	○	○	○
Air-brake system		○	○	○	○	○	○
Cabin							
Air conditioning		○	○	○	○	○	○
CIS (CLAAS INFORMATION SYSTEM)		●	–	●	–	●	–
Cooler compartment		○	○	○	○	○	○
Passenger seat		●	○	●	○	●	○
MP3 Bluetooth Radio		○	○	○	○	○	○
Optional air-suspended low-frequency seat		○	–	○	–	○	–
Noise level	db(A)	72	72	72	72	72	72

● Standard ○ Option ■ Available – Not available

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Specifications

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		430 CIS	430	420 CIS	420	410 CIS	410
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	2,811	2,811	2,761	2,761	2,736	2,736
Centre of rear axle – top of cab (b)	mm	1,986	1,986	1,986	1,986	1,986	1,986
Length							
Wheelbase (c)	mm	2,564	2,564	2,564	2,564	2,564	2,564
Length (without front weight) (d)	mm	4,442	4,442	4,442	4,442	4,442	4,442
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	4,900	4,900	4,900	4,900	4,800	4,800
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	8,800	8,800	8,800	8,800	8,800	8,800

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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	380/70 R 24	□	□	□
540/65 R 34	440/65 R 24	□	□	□
480/75 R 34	380/75 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	□	□	□
18.4 (480/80) R 34	14.9 (400/80) 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	□	□	□
520/75 R 38	420/75 R 28	□	□	□
600/60 R 38	480/60 R 28	□	□	□
650/60 R 38	520/60 R 28	□	–	–

