

# ARION

		640	630	620	610	540	530	520	510
<b>Engine</b>									
Manufacturer		DPS	DPS	DPS	DPS	DPS	DPS	DPS	DPS
Number of cylinders/intake		6/TI	6/TI	6/TI	6/TI	4/TI	4/TI	4/TI	4/TI
Cubic capacity	cm <sup>3</sup>	6,788	6,788	6,788	6,788	4,525	4,525	4,525	4,525
Nominal engine speed	rpm	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Output at nominal engine speed	kW/hp	114/155	107/145	99/135	88/120	99/135	96/130	88/120	81/110
(ISO TR 14396)									
Max. output (ISO TR 14396)	kW/hp	118/160	114/155	103/140	96/130	103/140	98/133	93/127	86/117
Max. output with CPM (ISO TR 14396)	kW/hp	132/180	–	–	–	118/160	–	–	–
Output at nominal engine speed (ECE R 24)	kW/hp	110/150	103/140	96/130	85/115	96/130	92/125	85/115	77/105
Max. output (ECE R 24)	kW/hp	114/155	110/150	99/135	92/125	99/135	94/128	90/122	82/112
Max. output with CPM (ECE R 24)	kW/hp	129/175	–	–	–	114/155	–	–	–
Max. output at engine speed	rpm	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Constant output	rpm	500	550	400	400	550	500	500	400
Engine speed at max. torque	rpm	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
Max. torque (ISO TR 14396)	Nm	657	633	580	534	585	541	526	477
Max. torque with CPM (ISO TR 14396)	Nm	718	–	–	–	619	–	–	–
Max. torque (ECE R 24)	Nm	656	630	571	527	577	530	520	470
Max. torque with CPM (ECE R 24)	Nm	710	–	–	–	610	–	–	–
Electronically controlled injection pump		●	●	●	●	●	●	●	●
Air filter dust aspiration		●	●	●	●	●	●	●	●
Max. fuel capacity	l	330	330	330	330	250	250	250	250
Oil-change interval	h	500	500	500	500	500	500	500	500
<b>Transmission</b>									
Ratios F/R		24/24	24/24	24/24	24/24	24/24	24/24	24/24	24/24
Min. speed	km/h	1.6	1.5	1.7	1.6	1.6	1.6	1.6	1.6
Max. speed	km/h	40/50	40/50	40/50	40/50	40/50	40/50	40/50	40
REVERSHIFT clutchless reverser		●	●	●	●	●	●	●	●
Number of powershift steps		6	6	6	6	6	6	6	6
Electrically controlled ranges		4	4	4	4	4	4	4	4
HEXACTIV		○	○	○	○	○	○	○	○
Creep range	km/h	0.41	0.38	0.42	0.41	0.41	0.41	0.41	0.41
Extra-slow	km/h	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12
Oil-change interval	h	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
<b>Rear axle</b>									
Electrohydraulically connected differential locks		●	●	●	●	●	●	●	●
Automatic differential locks		●	●	●	●	●	●	●	●
Max. rear tyres		650/ 65 R38	650/ 65 R38	650/ 65 R38	600/ 65 R38	600/ 65 R38	600/ 65 R38	600/ 65 R38	600/ 65 R38
<b>PTO</b>									
Wet multidisc clutch		●	●	●	●	●	●	●	●
Remote control engagement and emergency stop		●	●	●	●	●	●	●	●
540/1000		○	○	○	○	○	○	○	○
540/540E/1000/1000E		●	●	●	●	●	●	●	●
PTO shaft		●	●	●	●	●	●	●	●
Changeable PTO shaft stub		●	●	●	●	●	●	●	●
Number of splines		6/21	6/21	6/21	6/21	6/21	6/21	6/21	6/21
Automatic PTO shaft		●	●	●	●	●	●	●	●

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<b>4-wheel drive front axle</b>									
Electrohydraulic operation		●	●	●	●	●	●	●	●
Automatic 4-wheel drive		●	●	●	●	●	●	●	●
Max. steering angle	degrees	55	55	55	55	55	55	55	55
Castor angle	degrees	6	6	6	6	6	6	6	6
Angle of oscillation	degrees	10	10	10	10	10	10	10	10
Steering radius	m	4.9	4.9	4.9	4.8	4.5	4.5	4.5	4.4
Track	mm	2,050	2,050	2,050	1,950	1,950	1,950	1,950	1,950
with tyres		16.9 R 28	16.9 R 28	16.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	13.6 R 28
Wet multidisc clutch		●	●	●	●	●	●	●	●
PROACTIV suspended front axle		○	○	○	○	○	○	○	○
Fixed mudguards		○	○	○	○	○	○	○	○
Pivoting mudguards		○	○	○	○	○	○	○	○
<b>Hydraulics</b>									
Open hydraulic circuit		–	–	–	–	●	●	●	●
Flow at rated speed	l/min	–	–	–	–	60	60	60	60
Max. operating pressure	bar	–	–	–	–	200	200	200	200
Load-sensing circuit		●	●	●	●	○	○	○	○
Flow at rated speed	l/min	110	110	110	110	110	110	110	110
Max. operating pressure	bar	200	200	200	200	200	200	200	200
Number of control valves (min./max.)		2–6	2–6	2–6	2–6	2–6	2–6	2–6	2–6
Quantity control		●	●	●	●	●	●	●	●
ELECTROPILOT 4-way control		○	○	○	○	○	○	○	○
<b>Rear lifting arms</b>									
Max. lifting power at ball ends	kg	8,000	6,900	6,500	6,500	6,500	6,500	6,500	6,500
Continuous lifting power at 610 mm	kg	5,100	4,200	4,100	4,100	4,100	4,100	4,100	4,100
Lifting range	mm	812	748	745	745	745	745	745	745
Vibration dampening		●	●	●	●	●	●	●	●
Active slip control		○	○	○	○	○	○	○	○
Trailer hydraulic brake		●	●	●	●	●	●	●	●
Air-brake system		○	○	○	○	○	○	○	○
Trailer plug		●	●	●	●	●	●	●	●
25 ampere socket		●	●	●	●	●	●	●	●
<b>Front lift linkage</b>									
Max. lifting capacity at 610 mm	t	3.2/4	3.2/4	3.2/4	3.2/4	3.2/4	3.2	3.2	3.2
Front PTO shaft 1,000 rpm		○	○	○	○	○	○	○	○
External operation		○	○	○	○	○	○	○	○
Hydraulic connections		○	○	○	○	○	○	○	○
Trailer plug		○	○	○	○	○	○	○	○
<b>Cab</b>									
CIS with mechanical spool valves		●	●	●	●	●	●	●	●
CEBIS with electronic spool valves		○	○	○	○	○	○	○	○
4-point suspension		●	●	●	●	●	●	●	●
Multifunction armrest		●	●	●	●	●	●	●	●
Air conditioning		●	●	●	●	●	●	●	●
Automatic climate control		○	○	○	○	○	○	○	○
Passenger seat		●	●	●	●	●	●	●	●
Cooler compartment		●	●	●	●	●	●	●	●

● Standard ○ Option ■ Available – Not available

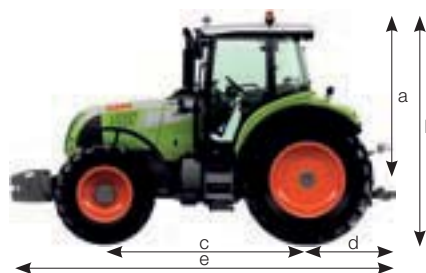
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		640	630	620	610	540	530	520	510
<b>Dimensions</b>									
<b>Height</b>									
Rear wheels		20.8 R 38	20.8 R 38	20.8 R 38	18.4 R 38	18.4 R 38	18.4 R 38	18.4 R 38	16.9 R 38
Front wheels		16.9 R 28	16.9 R 28	16.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	13.6 R 28
Centre rear axle – cab upper edge (a)	mm	2,180	2,180	2,180	2,180	2,156	2,156	2,156	2,156
Overall height (b)	mm	3,007	3,007	3,007	2,985	2,961	2,961	2,961	2,916
<b>Length</b>									
Wheelbase (c)	mm	2,820	2,820	2,820	2,820	2,560	2,560	2,560	2,560
Clearance, rear axle – lower link (d)	mm	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198
Length (with front ballast and trailer hitch) (e)	mm	5,155	5,155	5,155	5,155	4,889	4,889	4,889	4,889
<b>Ground clearance</b>									
Front axle (f)	mm	541	541	541	516	516	516	516	491
Rear axle (g)	mm	501	501	491	488	488	488	488	443
<b>Weights (standard tyres, with oil and fuel, fixed front axle, with driver)</b>									
Rear wheels		20.8 R 38	20.8 R 38	20.8 R 38	18.4 R 38	18.4 R 38	18.4 R 38	18.4 R 38	16.9 R 38
Front wheels		16.9 R 28	16.9 R 28	16.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	14.9 R 28	13.6 R 28
Weight without ballast	kg	6,260	6,220	5,950	5,720	5,470	5,470	5,470	5,380
PROACTIV weight	kg	+ 227	+ 227	+ 179	+ 179	+ 179	+ 179	+ 179	+ 179
Max. front ballast without front	kg	1,254	954	954	804	804	804	804	804
Weight distribution with ballast (rear/front)	%	45/55	47/53	46/54	47/53	46/54	46/54	46/54	46/54
Max. permissible gross weight	kg	11,000	11,000	10,250	8,800	8,800	8,800	8,800	8,800
(40 km/h version)									
Max. permissible gross weight	kg	9,250	9,250	8,800	8,800	8,800	8,800	8,800	–
(50 km/h version)									

## Tyres (standard axle or sprung front axle)

Rear tyres	Front tyres								
16.9 R 38 (420/85 R 38)	13.6 R 28 (340/85 R 28)	–	–	–	□	□	□	□	□
480/70 R 38	380/70 R 28	–	–	–	□	□	□	□	□
540/65 R 38	440/65 R 28	–	–	–	□	□	□	□	□
18.4 R 38 (460/85 R 38)	14.9 R 28 (380/85 R 28)	–	□	□	□	□	□	□	□
600/65 R 38	480/65 R 28	–	□	□	□	□	□	□	□
520/70 R 38	420/70 R 28	–	□	□	□	□	□	□	□
20.8 R 38 (520/85 R 38)	16.9 R 28 (380/85 R 28)	□	□	□	–	–	–	–	–
580/70 R 38	480/70 R 28	□	□	□	–	–	–	–	–
650/65 R 38	540/65 R 28	□	□	□	–	–	–	–	–
600/60 R 38*	480/60 R 28*	–	–	–	□	□	□	□	□
650/60 R 38*	520/60 R 28*	□	□	□	□	□	□	□	□

● Standard ○ Optional ■ Available – Not available \* XEOBIB



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Specifications