

ARION

		630 C	620 C	610 C
Engine				
Manufacturer		DPS	DPS	DPS
Number of cylinders / intake		6/VI	6/VI	6/VI
Cubic capacity	cm³	6788	6788	6788
Nominal engine speed	rpm	2200	2200	2200
Output at nominal engine speed (ISO TR 14396¹)	kW/hp	107/145	99/135	88/120
Max. output (ISO TR 14396¹)	kW/hp	114/155	103/140	96/130
Output at nominal engine speed (ECE R 24)	kW/hp	103/140	96/130	85/115
Max. output (ECE R 24)	kW/hp	110/150	99/135	92/125
Output at nominal engine speed (97/88 EG²)	kW	113	103	95
Max. output at engine speed	rpm	2000	2000	2000
Constant output	rpm	500	400	400
Engine speed at max. torque	rpm	1500	1500	1500
Max. torque (ISO TR 14396¹)	Nm	633	580	534
Max. torque (ECE R 24)	Nm	630	571	527
Electronically controlled injection pump		●	●	●
Air filter dust aspiration		●	●	●
Fuel tank capacity	l	280	280	280
Oil-change interval	h	500	500	500
Transmission				
Ratios F/R		16/16	16/16	16/16
Min. speed	km/h	2.1	2.1	2.0
Max. speed	km/h	40	40	40
REVERSHIFT clutchless reverser		●	●	●
Number of powershift steps		4	4	4
Electrically controlled ranges		4	4	4
Creep range	km/h	0.52	0.52	0.49
Extra slow	km/h	0.15	0.15	0.14
Oil-change interval	h	1000	1000	1000
Rear axle				
Electrohydraulically connected differential locks		●	●	●
Automatic differential locks		●	●	●
Max. rear tyres		650/65 R38	650/65 R38	600/65 R 38
Power take-off				
Wet multidisc clutch		●	●	●
Remote control emergency stop		●	●	●
540/1000		●	●	●
540/540E/1000/1000E		○	○	○
PTO shaft		●	●	●
Changeable PTO shaft stub		●	●	●
Number of splines		6/21	6/21	6/21

● Standard ○ Optional ■ Available – Not available

¹ Compliant with ECE R 120 (approx.) ² Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

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4-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	4.8	4.8	4.8
Track	mm	1950	1950	1950
with tyres		14.9 R 28	14.9 R 28	14.9 R 28
Wet multidisc clutch		●	●	●
Fixed mudguards		●	●	●
Pivoting mudguards		○	○	○
Hydraulics				
Open hydraulic circuit I		●	●	●
Flow at rated speed	l/min	60	60	60
Max. operating pressure	bar	200	200	200
Open hydraulic circuit II		○	○	○
Flow at rated speed	l/min	98	98	98
Max. operating pressure	bar	200	200	200
Number of control valves (min.–max.)		2–4	2–4	2–4
Quantity control		●	●	●
Front linkage				
Max. lifting capacity	t	3.2/4	3.2/4	3.2/4
Front PTO shaft, 1000 rpm		○	○	○
Hydraulic connections		○	○	○
Rear linkage				
Max. lifting power at ball ends	kg	6900	6500	6500
Continuous lifting power at 610 mm	kg	4200	4100	4100
Lifting range	mm	748	745	745
Vibration damping		●	●	●
Trailer hydraulic brake		●	●	●
Air brake system		○	○	○
Trailer plug		●	●	●
25-ampere socket		●	●	●
Cab				
Unsprung		●	●	●
4-point suspension		○	○	○
Air conditioning		●	●	●
Passenger seat		○	○	○
Cooler compartment		○	○	○

● Standard ○ Optional ■ Available – Not available

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		630 C	620 C	610 C
Dimensions				
Height				
Rear wheels		20.8 R 38	20.8 R 38	18.4 R 38
Front wheels		16.9 R 28	16.9 R 28	14.9 R 28
Centre rear axle – cab upper edge (a)	mm	2180	2180	2180
Overall height (b)	mm	3055	3055	3005
Length				
Wheelbase (c)	mm	2820	2820	2820
Clearance, rear axle – lower link (d)	mm	1198	1198	1198
Length with front ballast and trailer hitch (e)	mm	5155	5155	5155
Ground clearance				
Front axle (f)	mm	541	541	516
Rear axle (g)	mm	549	535	508
Weight				
(Standard tyres, with oil and fuel, fixed front axle, with driver)				
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	5870	5600	5500
Max. front ballast without front lift linkage	kg	804	804	804
Weight distribution with ballast (rear/front)	%	50/50	49/51	48/52
Permissible gross weight (40-km/h version)	kg	9250	8800	8800
Tyres				
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 R38 (520/85 R 38)	16.9 R 28 (420/85 R 28)	–	■	■
580/70 R 38	480/70 R 28	–	■	■
650/65 R 38	540/65 R 28	–	■	■
600/60 R 38 ¹	480/60 R 28 ¹	■	–	–
650/60 R 38 ¹	520/60 R 28 ¹	■	■	■

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