

ARION		640 C	630 C	620 C
Engine				
Manufacturer		DPS	DPS	DPS
Number of cylinders / intake		6/TI	6/TI	6/TI
Cubic capacity	cm ³	6788	6788	6788
Nominal engine speed	rpm	2200	2200	2200
Output at nominal engine speed (97/68/EC ¹)	kW	116	113	103
Output at nominal engine speed (ECE R 120 ²)	kW/hp	114/155	107/145	99/135
Max. output (ECE R 120 ²)	kW/hp	121/165	114/155	103/140
Output at nominal engine speed (ECE R 24)	kW/hp	110/150	103/140	96/130
Max. output (ECE R 24)	kW/hp	118/160	110/150	99/135
Max. output at engine speed	rpm	2000	2000	2000
Constant output	rpm	400	400	500
Engine speed at max. torque	rpm	1500	1500	1500
Max. torque (ECE R 120 ²)	Nm	667	633	580
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	1.8	1.8	1.8
Min. speed with creep gear	m/h	460	460	460
Max. speed	km/h	40	40	40
REVERSHIFT clutchless reverser		●	●	●
Powershift speeds		4	4	4
Electronically controlled ranges		4	4	4
Oil-change interval	h	1000	1000	1000

Rear axle				
Electrohydraulically activated differential locks		●	●	●
Automatic differential lock		●	●	●
Max. rear tyres		650/65 R 38	650/65 R 38	650/65 R 38

PTO				
Wet multi-disc clutch		●	●	●
Stop button for rear PTO on both mudguards		●	●	●
540/1000		●	●	●
540/540 ECO/1000/1000 ECO		○	○	○
Changeable PTO stub		●	●	●
Number of splines		6/8/21	6/8/21	6/8/21

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Four-wheel drive front axle				
Electrohydraulic operation		●	●	●
Wet multi-disc clutch		●	●	●
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	4.85	4.85	4.85
Track	mm	1950	1950	1950
With tyres		14.9 R 28	14.9 R 28	14.9 R 28
Pivoting mudguards		○	○	○

Hydraulics				
Open hydraulic circuit I		–	●	●
Flow at rated speed	l/min	–	60	60
Max. operating pressure	bar	–	200	200
Open hydraulic circuit II		●	○	○
Flow at rated speed	l/min	98	98	98
Max. operating pressure	bar	200	200	200
Number of spool valves (min./max.)		2 / 3	2 / 3	2 / 3
Flow control via the spool valve		●	●	●

Front linkage				
Max. lifting power	t	3.80	3.80	3.80
Front PTO 1000 rpm		○	○	○

Rear linkage				
Max. lifting capacity at ball ends	kg	6900	6900	6500
Continuous lifting power at ball ends	kg	4200	4200	4100
Vibration damping		●	●	●
Hydraulic trailer brakes		○	○	○
Air brakes		○	○	○
Trailer socket		●	●	●
25 amp socket		●	●	●

Cab				
Unsprung		●	●	●
4-point suspension		○	○	○
Air conditioning		●	●	●
Cooler compartment		○	○	○

¹ Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

² Meets ISO TR 14396.

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Dimensions

Height

Rear wheels		20.8 R 38	20.8 R 38	20.8 R 38
Front wheels		16.9 R 28	16.9 R 28	16.9 R 28
Centre rear axle – cab upper edge (a)	mm	2110	2110	2110
Overall height (b)	mm	3055	3055	3055

Length

Wheelbase (c)	mm	2820	2820	2820
Length (with front weight carrier and trailer hitch) (d)	mm	4728	4728	4728

Ground clearance

Front axle (e)	mm	464	464	464
Rear axle (f)	mm	539	539	539

Weight

(Standard tyres, with oil and fuel, fixed front axle, with driver)

Rear wheels		18.4 R 38	18.4 R 38	18.4 R 38
Front wheels		14.9 R 28	14.9 R 28	14.9 R 28
Weight without ballast	kg	5930	5870	5600
Max. front ballast without front linkage	kg	700	700	700
Weight distribution with 700 kg front weight (rear/front)	%	53/47	53/47	53/47
Permissible gross weight (40 km/h version)	kg	9250	9250	9250

Tyres

Rear tyres	Front tyres			
18.4 R 38 (460/85 R 38)	14.9 R 28 (380/85 R 28)	□	□	□
520/70 R 38	420/70 R 28	□	□	□
600/65 R 38	480/65 R 28	□	□	□
650/60 R 38 ¹	520/60 R 28 ¹	□	□	□
20.8 R 38 (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	□	□	□



¹ XeoBib.