

ARION

|  |                 | 630 C       | 620 C       | 610 C       |
|--|-----------------|-------------|-------------|-------------|
| <b>Engine</b>  |                 |             |             |             |
| Manufacturer   |                 | DPS         | DPS         | DPS         |
| Number of cylinders/intake                               |                 | 6/TI        | 6/TI        | 6/TI        |
| Cubic capacity   | cm <sup>3</sup> | 6788        | 6788        | 6788        |
| Nominal engine speed                                     | rpm             | 2200        | 2200        | 2200        |
| Output at nominal engine speed (97/68/EC <sup>1</sup> )  | kW              | 113         | 103         | 95          |
| Output at nominal engine speed (ECE R 120 <sup>2</sup> ) | kW/hp           | 107/145     | 99/135      | 88/120      |
| Max. output (ECE R 120 <sup>2</sup> )                    | 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      |
| 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 (ECE R 120 <sup>2</sup> )                    | 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         |
| <b>Transmission</b>                                      |                 |             |             |             |
| 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        |
| <b>Rear axle</b>   |                 |             |             |             |
| Electrohydraulically connected differential locks        |                 | ●           | ●           | ●           |
| Automatic differential locks                             |                 | ●           | ●           | ●           |
| Max. rear tyres  |                 | 650/65 R 38 | 650/65 R 38 | 600/65 R 38 |
| <b>PTO</b>   |                 |             |             |             |
| Wet multi-disc 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

<sup>1</sup> Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.   <sup>2</sup> Meets ISO TR 14396

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|--------------------------------------|---------|-----------|-----------|-----------|
| <b>4-wheel drive front axle</b>      |         |           |           |           |
| 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 multi-disc clutch                |         | ●         | ●         | ●         |
| Pivoting mudguards                   |         | ○         | ○         | ○         |
| <b>Hydraulics</b>                    |         |           |           |           |
| 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                     |         | ●         | ●         | ●         |
| <b>Front linkage</b>                 |         |           |           |           |
| Max. lifting capacity at 610 mm      | t       | 3.2/4     | 3.2/4     | 3.2/4     |
| Front PTO rpm                        |         | ○         | ○         | ○         |
| Hydraulic connections                |         | ○         | ○         | ○         |
| <b>Rear linkage</b>                  |         |           |           |           |
| 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                     |         | ●         | ●         | ●         |
| <b>Cab</b>                           |         |           |           |           |
| Unsprung                             |         | ●         | ●         | ●         |
| 4-point suspension                   |         | ○         | ○         | ○         |
| Air conditioning                     |         | ○         | ○         | ○         |
| Passenger seat                       |         | ○         | ○         | ○         |
| Cooler compartment                   |         | ○         | ○         | ○         |

● Standard   ○ Optional   ■ Available   — Not available

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Specifications

ARION

|  |                          | 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 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              | –         | ■         | ■         |
| 600/60 R 38 <sup>1</sup>   | 480/60 R 28 <sup>1</sup> | ■         | –         | –         |
| 650/60 R 38 <sup>1</sup>   | 520/60 R 28 <sup>1</sup> | ■         | ■         | ■         |

● Standard ○ Optional ■ Available – Not available <sup>1</sup> XEOBIB

