

AXION		850	820
<b>Engine</b>			
Manufacturer		DPS	DPS
Number of cylinders / intake		6/TI	6/TI
Cubic capacity	cm <sup>3</sup>	6788	6788
Nominal engine speed	rpm	2200	2200
Output at nominal engine speed (ECE R 120) <sup>1</sup>	kW/hp	171/233	139/189
Max. output (ECE R 120) <sup>1</sup>	kW/hp	175/238	145/197
Max. output with CPM (ECE R 120) <sup>1</sup>	kW/hp	197/268	170/232
Output at nominal engine speed (ECE R 24)	kW/hp	165/225	135/183
Max. output (ECE R 24)	kW/hp	169/230	142/193
Max. output with CPM (ECE R 24)	kW/hp	193/260	166/227
Output at nominal engine speed: 97/68/EC <sup>2</sup>	kW	187	165
Max. output at engine speed	rpm	2000	2000
Constant output	rpm	400	400
Engine speed at max. torque	rpm	1500	1500
Max. torque	Nm	1020	897
Electronically controlled injection pump		●	●
Air filter dust aspiration		●	●
Fuel tank capacity	l	503	407
Oil-change interval	h	500	500
<b>HEXASHIFT transmission</b>			
Ratios F/R		24/24	24/24
Ground speed (min./max.) 40 km/h version	km/h	1.58/40	1.72/40
Ground speed (min./max.) 50 km/h version	km/h	1.58/50	1.72/50
REVERSHIFT clutchless reverser		●	●
Powershift speeds		6	6
Electrohydraulically controlled ranges		4	4
HEXACTIV		●	●
Creep range	km/h	0.5	0.5
<b>Rear axle</b>			
Electrohydraulically activated differential locks		●	●
Automatic differential locks		●	●
Max. rear tyres		650/85 R 38	650/75 R 38
<b>PTO</b>			
Wet multi-disc clutch		●	●
Remote control of engagement and emergency stop		●	●
540/1000		●	●
540/540 ECO/1000		○	○
Changeable PTO stub		●	●
Number of splines		6/8/20 or 21	6/8/20 or 21

<sup>1</sup> Approximates ISO TR 14396

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

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<b>Four-wheel drive front axle</b>			
Wet multi-disc clutch		●	●
Electrohydraulic operation		●	●
Automatic 4-wheel drive		●	●
Max. steering angle	degrees	55	55
Castor angle	degrees	5	5
Angle of oscillation	degrees	10	10
Turning radius	m	5.19	5.15
Track	mm	1995	1968
with tyres		480/70 R 30	16.9 R 28
Pivoting mudguards		○	○
<b>Hydraulics</b>			
Load-sensing circuit		●	●
Output at rated speed, standard (option)	l/min	110 (150)	110 (150)
Max. operating pressure	bar	200	200
Number of mechanical spool valves (min.–max.)		3–4	3–4
Flow control		●	●
<b>Rear linkage</b>			
Max. lifting capacity at ball ends	kg	10229	9676
Continuous lifting power at ball ends	kg	6012	6227
Vibration damping		●	●
Active wheel slip control		○	○
25 amp socket		●	●
<b>Front linkage</b>			
Lift capacity	t	3.3/5.4	3.3/5.4
Front PTO 1000 rpm		○	○
<b>Cab</b>			
4-point suspension		●	●
Multifunction armrest		●	●
Air conditioning		●	●
Passenger seat		●	●
Cooler compartment		●	●

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All technical specifications relating to engines are based on the European emission regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.

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### Dimensions

Length (with front weights and trailer hitch) (e)	mm	5684	5684
Centre rear axle – cab upper edge (a)	mm	2335	2278
Overall height (b)	mm	3203	3153
Wheelbase (c)	mm	2985	2985
Distance, rear axle – lower link (d)	mm	1312	1312

### Weight

(standard tyres, with oil and fuel, without driver)			
Weight without ballast	kg	7900	7400
Max. front ballast without front linkage	kg	904	904
Max. permissible gross weight (40 km/h version)	kg	14000	12000
Max. permissible gross weight (50 km/h version)	kg	12000	12000

### Ground clearance

Front axle (f)	mm	587	568
Rear axle (g) (without drawbar)	mm	564	515

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### Tyres

Rear tyres	Front tyres		
20.8 R 38 (520/85 R 38)	16.9 R 28 (420/85 R 28)	–	□
20.8 R 42 (520/85 R 42)	16.9 R 30 (420/85 R 30)	–	□
580/70 R 38	480/70 R 28	–	□
580/70 R 42	480/70 R 30	–	□
620/70 R 42	480/70 R 30	□	□
650/65 R 38	540/65 R 28	–	□
650/65 R 42	540/65 R 30	□	□
650/75 R 38	540/75 R 28	□	□
710/70 R 38	600/65 R 28	□	□
IF 710/60 R 42	IF 600/60 R 30	–	□
650/85 R 38	540/65 R 34	□	–
650/85 R 38	600/70 R 28	□	–
650/85 R 38	600/70 R 30	□	–
IF 650/85 R 38	IF 600/70 R 30	□	–
710/70 R 42	540/65 R 34	□	–
710/70 R 42	600/70 R 28	□	–
710/70 R 42	600/70 R 30	□	–
IF 710/70 R 42	IF 600/70 R 30	□	–

● Standard ○ Optional □ Available – Not available

