

ATOS	350	340	330	240	230	220
<b>Engine</b>						
Type		Farmotion	Farmotion	Farmotion	Farmotion	Farmotion
Number of cylinders		4	4	4	3	3
Cubic capacity	cm³	3849	3849	3849	2887	2887
Common-rail injection (2000 bar)		●	●	●	●	●
Exhaust gas aftertreatment with DOC and EGR		●	●	●	●	●
Nominal engine speed	rpm	2200	2200	2200	2200	2200
Output at nominal engine speed (ECE R 120) <sup>1</sup>	kW/hp	76/103	72/97	62/84	67/92	62/84
Type approval value (97/68/EC) <sup>2</sup>	kW/hp	76/103	72/97	62/84	67/92	62/84
Max. output (ECE R 120) <sup>1</sup>	kW/hp	80/109	75/102	65/88	71/97	65/88
Constant output range	rpm	1700–2200	1700–2200	1700–2200	1800–2200	1700–2200
Engine speed at max. torque	rpm	1600	1600	1600	1600	1500
Max. torque (ECE R 120) <sup>1</sup>	Nm	435	405	354	371	354
Viscous fan		●	●	●	●	●
Max. fuel tank capacity	l	150	150	150	130	130
Oil-change interval	h	600	600	600	600	600
<b>Transmission</b>						
Four-wheel drive		●	●	●	●	●
Oil-change interval	h	1200	1200	1200	1200	1200
5-gear transmission with 2 ranges						
10 F / 10 R without gear splitting, max. speed 40 km/h		□	□	□	□	□
20 F / 20 R with TWINSHIFT (two-stage powershift), max. speed 40 km/h ECO		□	□	□	□	□
30 F / 30 R with TRISHIFT (three-stage powershift) and REVERSHIFT, max. speed 40 km/h ECO		□	–	–	–	–
REVERSHIFT clutchless reverser / mechanical reverser		□ / □ <sup>3</sup>	□ / □	□ / □	□ / □	□ / □
Creep ranges (2 additional ranges, double the number of gears)		○	○	○	○	○
Min. speed at 2200 rpm with creep gear	m/h	418 (344 with TRISHIFT)	326	326	348	348
Min. speed at 2200 rpm without creep gear	km/h	3.1	3.1	3.1	3.1	3.1
<b>Rear axle</b>						
Electrohydraulically connected differential lock at rear (dog clutch)		●	●	●	●	●
Distance between wheel flange faces	mm	1740	1740	1740	1640	1640
Max. rear tyres		540/65 R 38	600/65 R 34	600/65 R 34	540/65 R 34	540/65 R 34
<b>Road safety</b>						
Braking system (multiple discs in oil bath)		●	●	●	●	●
Braked front axle		○	○	○	○	○
Hydraulic trailer brakes		○	○	○	○	○
Pneumatic trailer brakes		○	○	○	○	○
<b>PTO</b>						
540		●	●	●	●	●
540/540 ECO		○	○	○	○	○
540/540 ECO and 1000/1000 ECO		○	○	○	○	○
Ground speed PTO		○	○	○	○	○
Automatic PTO engagement/disengagement		○	○	○	○	○
1½" PTO stub, 6 splines		●	●	●	●	●

1 Meets ISO TR 14396

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

3 Not available with TRISHIFT transmission

● Standard ○ Optional □ Available – Not available

ATOS	350	340	330	240	230	220
<b>4-wheel drive front axle</b>						
Electronic activation		●	●	●	●	●
Max. steering angle	degrees	50	50	50	50	50
Castor angle	degrees	7	7	7	7	7
Angle of oscillation	degrees	10	10	10	10	10
Turning radius	m	4.2	4.2	4.2	4.2	3.7
Track	mm	1806	1806	1806	1665	1665
with tyres		360/70 R 28	360/70 R 28	360/70 R 28	360/70 R 24	360/70 R 24
Distance between wheel flange faces	mm	1770	1770	1770	1610	1610
Pivoting mudguards		●	●	●	●	●
<b>Hydraulics</b>						
Open hydraulic circuit, 55 l/min	l/min	●	●	●	●	●
Output at nominal engine speed		55	55	55	55	55
Open hydraulic circuit, 60 l/min ECO		○	○	○	○	○
Output at nominal engine speed		55	55	55	55	55
Output at 1600 rpm		60	60	60	60	60
Max. operating pressure	bar	190	190	190	190	190
Number of mechanical spool valves (min.–max.)		1–3	1–3	1–3	1–3	1–3
Electronic spool valve (max. 25 l/min)		○	○	○	○	○
Flow control at the mechanical spool valves		○	○	○	○	○
Free flow return line		●	●	●	●	●
<b>Rear linkage</b>						
Lower and upper links with category II coupling hook		○	○	○	○	○
Lower and upper links with category II ball end		●	●	●	●	●
Lower and upper links with category II ball end (adjustable lower link ball ends)		○	○	○	–	–
Hydraulic adjustment of right-hand lift rod		○	○	○	○	○
Max. lifting capacity at ball ends	kg	3600	3600	3600	3600	3600
Max. lifting capacity at ball ends with additional lift rams	kg	5500	4900	4900	4600	4600
Lifting range	mm	772	772	772	720	720
Mechanical operation		●	●	●	●	●
Electronic operation		○	○	○	○	○
External controls		●	●	●	●	●
<b>Front linkage</b>						
Max. lifting power	kg	1900	1900	1900	1900	1900
Vibration damping		○	○	○	○	○
Cat. II lower link hook		●	●	●	●	●
Front PTO 1000 rpm		○	○	○	○	○
<b>Cab</b>						
FOPS transparent sunroof		○	○	○	○	○
Driver's seat, mechanical suspension		●	●	●	●	●
Driver's seat, mechanical suspension, wide		○	○	○	○	○
Driver's seat, air suspension, wide		○	○	○	○	○
Driver's seat, air suspension, wide, with automatic height adjustment		○	○	○	○	○
Steering column, tilting with telescopic height adjustment		○	○	○	○	○
Heating		●	●	●	●	●
Air conditioning		○	○	○	○	○
Passenger seat		○	○	○	○	○
Opening front windscreen		○	○	○	○	○
Rear window wipers		○	○	○	○	○
Max. number of work lights, front/rear		4/4	4/4	4/4	4/4	4/4
25 amp socket		○	○	○	○	○

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### Dimensions and weights

Four-wheel drive version with oil and fuel, without driver

	Inch	34	34	34	30	30	30
With tyres							
Length (without front ballast, without front linkage) (d)	mm	4230	4230	4230	4000	4000	4000
Minimum external width	mm	1989	1989	1989	1980	1980	1965
Centre of rear axle to top of cab (a)	mm	1984	1984	1984	1954	1954	1926
Overall height (b)	mm	2710	2710	2710	2580	2580	2580
Wheelbase (c)	mm	2400	2400	2400	2300	2300	2300
Ground clearance (e)	mm	470	470	470	445	445	445
Weight	kg	4500	4000	4000	3300	3300	3300
Max. permissible gross weight	kg	7500	7000	7000	6200	6200	5500

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Rear tyres	Front tyres						
420/70 R 30	360/70 R 24	–	–	–	□	□	□
420/85 R 30	280/85 R 24	–	–	–	□	□	–
480/70 R 30	360/70 R 24	–	–	–	□	□	–
420/85 R 34	320/85 R 24	–	□	□	–	–	–
420/85 R 34	380/85 R 24	□	□	□	□	□	–
460/85 R 34	420/85 R 24	□	□	□	–	–	–
460/85 R 34	340/85 R 28	□	□	□	–	–	–
480/70 R 30	320/70 R 24	–	–	–	□	□	□
480/70 R 34	420/70 R 24	□	□	□	□	□	–
520/70 R 34	480/70 R 24	□	□	□	–	–	–
540/65 R 28	420/65 R 20	–	–	–	□	□	□
540/65 R 30	380/70 R 20	–	–	–	□	□	□
540/65 R 34	480/65 R 24	□	□	□	□	□	–
600/65 R 34	540/65 R 24	□	–	–	–	–	–
340/85 R 36	320/85 R 24	□	□	□	–	–	–
340/85 R 38	280/85 R 28	□	□	□	□	□	–
420/85 R 38	340/85 R 28	□	–	–	–	–	–
480/70 R 38	380/70 R 28	□	–	–	–	–	–
540/65 R 38	440/65 R 28	□	–	–	–	–	–

