

ATOS	350	340	330	240	230	220
Engine						
Type	Farmotion	Farmotion	Farmotion	Farmotion	Farmotion	Farmotion
Number of cylinders	4	4	4	3	3	3
Cubic capacity	cm ³	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) ¹	kW/hp	79/107	72/97	61/84	67/91	61/84
Max. output (ECE R 120) ¹	kW/hp	83/113	76/102	66/88	72/97	66/88
Type approval value (97/68/EC) ²	kW	79	72	61	67	61
Engine speed at max. torque	rpm	1600	1600	1600	1600	1500
Max. torque (ECE R 120) ¹	Nm	435	408	354	369	354
Max. fuel tank capacity	l	130	130	130	130	130
Oil-change interval	h	600	600	600	600	600

Transmission						
Four-wheel drive	●	●	●	●	●	●
Rear-wheel drive	–	○	–	–	○	–
Oil-change interval	h	1200	1200	1200	1200	1200
4-gear transmission with 2 ranges, 8 V / 8 R	–	–	–	□	□	□
with creep gear, 16 V / 16 R	–	–	–	□	□	□
with 2 powershift speeds TWINSHIFT 16 V / 16 R	–	–	–	□	□	□
with creep gear and 2 powershift speeds TWINSHIFT 32 V / 32 R	–	–	–	□	□	□
5-gear transmission with 2 ranges, 10 V / 10 R	□	□	□	□	□	□
with creep gear, 20 V / 20 R	□	□	□	□	□	□
with 2 powershift speeds TWINSHIFT 20 V / 20 R	□	□	□	–	–	–
with 3 powershift speeds TRISHIFT 30 V / 30 R	□	□	□	□	□	□
with creep gear and 2 powershift speeds TWINSHIFT 40 V / 40 R	□	□	□	–	–	–
with creep gear and 3 powershift speeds TRISHIFT 60 V / 60 R	□	□	□	–	–	–
REVERSHIFT clutchless reverser / mechanical reverser ³	□ / □	□ / □	□ / □	□ / □	□ / □	□ / □
Min. speed with creep gear	m/h	230	230	230	210	210
Min. speed without creep gear	km/h	2.02	2.02	2.02	1,82	1,82

Rear axle						
Electrohydraulically connected differential lock at rear (dog clutch)	●	●	●	●	●	●
Distance between wheel mounting faces	mm	1740	1740	1740	1640	1640
Max. rear wheel tyres (diameter)	m	1.5	1.5	1.5	1.4	1.4

Road safety						
Braking system (multiple discs in oil bath)	●	●	●	●	●	●
Braked front axle	●	●	●	●	●	●
Hydraulic trailer braking system	○	○	○	○	○	○
Pneumatic trailer brakes	○	○	○	○	○	○

PTO						
540	●	●	●	●	●	●
540/540 ECO	○	○	○	○	○	○
540/540 ECO and 1000/1000 ECO	○	○	○	○	○	○
Ground PTO	○	○	○	○	○	○
Automatic PTO engagement/ disengagement	○	○	○	○	○	○
1¾" 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
Four-wheel drive front axle						
Electronic activation	●	●	●	●	●	●
Max. steering angle	degrees	50	50	50	50	50
Optimum turning radius	m	4.20	4.20	4.20	3.80	3.80
Distance between wheel mounting faces	mm	1610	1610	1610	1610	1610
Pivoting mudguards	●	●	●	●	●	●
Hydraulics						
Open hydraulic circuit, 55 l/min	●	●	●	●	●	●
Output at nominal engine speed	l/min	55	55	55	55	55
Open hydraulic circuit, 60 l/min ECO	–	–	–	○	○	○
Output at 1600 rpm	l/min	–	–	–	60	60
Open-centre hydraulic circuit 90 l/min	○	○	○	–	–	–
Output at nominal engine speed	l/min	90	90	90	–	–
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 on mechanical spool valves	○	○	○	○	○	○
Open return line	●	●	●	●	●	●

Rear linkage						
Lower and upper links with category II coupling hook	○	○	○	○	○	○
Lower and upper links with category II ball end	●	●	●	●	●	●
Max. lifting capacity at ball ends	kg	3600	3600	3600	3570	3570
Max. lifting capacity at ball ends with additional lift rams	kg	4900	4900	4900	4530	4530
Mechanical control	●	●	●	●	●	●
Electronic control	○	○	○	○	○	○
External controls	●	●	●	●	●	●

Front linkage						
Max. lifting power	kg	2900	2900	2900	2900	2900
Vibration damping	○	○	○	○	○	○
Cat. II lower link hook	●	●	●	●	●	●
Front PTO 1000 rpm	○	○	○	○	○	○

Cab						
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	○	○	○	○	○	○
Air conditioning	○	○	○	○	○	○
Passenger seat	○	○	○	○	○	○
Opening front windscreen	○	○	○	○	○	○
Rear window wiper	○	○	○	○	○	○
Max. number of work lights, front/rear	2/4	2/4	2/4	2/4	2/4	2/4
25 amp socket	○	○	○	○	○	○

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● Standard ○ Optional □ Available – Not available

ATOS		350	340	330	240	230	220
Dimensions and weights							
Length (without front ballast, without front linkage) (d)	mm	4275	4275	4275	4119	4119	4119
Centre of rear axle to top of cab (a)	mm	1952	1952	1952	1924	1924	1924
Overall height (b)	mm	2702	2702	2702	2624	2624	2624
Wheelbase (c)	mm	2400	2400	2400	2295	2295	2295
Ground clearance (e)	mm	455	455	455	410	410	410
Weight	kg	4180	4180	4180	3770	3770	3770
Max. permissible gross weight	kg	6200	6200	6200	5800	5800	5800

Four-wheel drive		ATOS 350	ATOS 340	ATOS 330	ATOS 240	ATOS 230	ATOS 220
Rear tyres	Front tyres						
540/65 R 28	420/65 R 20	–	–	–	○	○	○
420/70 R 30	360/70 R 20	–	–	–	○	○	○
420/85 R 30	280/85 R 24	–	–	–	○	○	○
480/70 R 30	320/70 R 24	–	–	–	○	○	○
480/70 R 30	360/70 R 24	○	○	○	–	–	–
540/65 R 30	380/70 R 20	–	–	–	○	○	○
420/85 R 34	380/85 R 24	–	○	○	–	–	–
480/70 R 34	420/70 R 24	○	○	○	–	–	–
540/65 R 34	480/65 R 24	○	○	○	–	–	–
340/85 R 36	320/85 R 24	–	–	–	○	○	○
340/85 R 38	280/85 R 28	○	○	○	–	–	–

Rear-wheel drive		ATOS 340	ATOS 230
Rear tyres	Front tyres		
480/70 R 30	7.5-18	–	□
420/85 R 34	11.00-16	□	–
480/70 R 34	11.00-16	□	–
340/85 R 36	7.5-18	–	□

