

AXION		870	850	840	830	810	800
Engine							
Manufacturer		FPT	FPT	FPT	FPT	FPT	FPT
Number of cylinders		6	6	6	6	6	6
Cubic capacity	cm ³	6728	6728	6728	6728	6728	6728
Variable geometry turbo		●	●	●	●	●	●
Rated output (ECE R 120) ¹	kW/hp	199/270	184/250	176/240	165/225	151/205	142/194
Max. output (ECE R 120) ¹	kW/hp	206/280	194/264	184/250	173/235	158/215	150/205
Max. output with CPM (ECE R 120) ¹	kW/hp	217/295	–	–	–	–	–
Type approval value for HEXASHIFT models (97/68/EC) ²	kW/hp	–	186/253	179/244	168/229	153/208	142/193
Type approval value for CMATIC models (97/68/EC) ²	kW/hp	220/301	192/261	–	176/240	168/229	–
Max. torque	Nm	1276	1132	1071	1016	941	896
Max. fuel tank capacity	l	455	455	455	455	455	455
Oil-change interval	h	600	600	600	600	600	600

CMATIC continuously variable transmission

REVERSHIFT clutchless reverser		●	●	●	●	●	●
Min. speed at rated engine speed	km/h	0.05	0.05	–	0.05	0.05	–
Max. speed	km/h	40/50	40/50	–	40/50	40/50	–

HEXASHIFT powershift transmission

Number of gears		–	24/24	24/24	24/24	24/24	24/24
Powershift speeds		–	6	6	6	6	6
Electronically controlled ranges		–	4	4	4	4	4
REVERSHIFT clutchless reverser		–	●	●	●	●	●
Min. speed at rated engine speed	km/h	–	1.7	1.7	1.7	1.7	1.7
Min. speed with creep gear at rated engine speed	km/h	–	0.44	0.47	0.47	0.45	0.45
Max. speed	km/h	–	40/50	40/50	40/50	40/50	40/50

Rear axle

Max. diameter of rear tyres	m	2.05	2.05	2.05	2.05	2.05	1.95
Widest rear tyres		900/60 R38	900/60 R 38	900/60 R 38	900/60 R 38	900/60 R 38	710/70 R 38
Flanged axle		●	●	●	●	●	●
Quick-release axle 2.5 or 3.5 m wide		○	○	○	○	○	○
Automatic differential lock		●	●	●	●	●	●
Park-lock		●	●	●	●	●	●
Oil-change interval	h	1200	1200	1200	1200	1200	1200

PTO

External operation of engagement and emergency stop		●	●	●	●	●	●
540 / 1000		●	●	●	●	●	●
540 / 540 ECO / 1000		○	○	○	○	○	○
540 ECO / 1000 / 1000 ECO		○	○	○	○	○	○
PTO shaft stub: 1 3/8" with 6, 8 or 21 splines and 1 3/4" with 20 splines		□	□	□	□	□	□

Four-wheel drive front axle

Rigid front axle		●	●	●	●	●	●
PROACTIV suspended front axle		○	○	○	○	○	○
Automatic 4-wheel drive		●	●	●	●	●	●
Turning radius	m	5.31	5.31	5.31	5.31	5.31	5.31

Hydraulics

Load-sensing circuit		●	●	●	●	●	●
Max. output, standard (option)	l/min	110 (150)	110 (150)	110 (150)	110 (150)	110 (150)	110 (150)
Number of mechanical spool valves		–	3–4	3–4	3–4	3–4	3–4
Number of electronic spool valves		3-7	3-7	3-7	3-7	3-7	3-7

AXION		870	850	840	830	810	800
Rear linkage							
Max. lifting capacity at ball ends	kg	10200	10200	9700	9700	9500	9500
Continuous lifting power at ball ends	kg	6200	6200	6200	6200	6200	6200
Vibration damping		●	●	●	●	●	●
External controls		●	●	●	●	●	●
Active wheel slip control		○	○	○	○	○	○
Front linkage							
Lift capacity	t	4.6/5.8	4.6/5.8	4.6/5.8	4.6/5.8	4.6/5.8	4.6/5.8
Front PTO 1000 rpm		○	○	○	○	○	○
Vibration damping		●	●	●	●	●	●
Position control		○	○	○	○	○	○
External front linkage operation		○	○	○	○	○	○
Four additional hydraulic connections		○	○	○	○	○	○
External operation of additional connections		○	○	○	○	○	○
ISOBUS and trailer socket		○	○	○	○	○	○

Cab

CIS version		–	●	●	●	●	●
CIS+ version		●	○	○	○	○	○
CEBIS version		○	○	○	○	○	○
4-point suspension		●	●	●	●	●	●
Multifunction armrest		●	●	●	●	●	●
Air conditioning		●	●	●	●	●	●
Automatic climate control		○	○	○	○	○	○
Passenger seat with integral cool box		●	●	●	●	●	●

EASY

GPS PILOT ready		○	○	○	○	○	○
GPS PILOT steering system		○	○	○	○	○	○
TELEMATICS		●	●	●	●	●	●

Dimensions and weights

Standard equipment							
Overall height (a)	mm	3215	3215	3215	3215	3215	3215
Length: front linkage folded (b)	mm	5428	5428	5428	5428	5428	5428
Wheelbase (c)	mm	2980	2980	2980	2980	2980	2980
Ground clearance, front axle (d)	mm	470	470	470	470	470	470
Ground clearance, rear axle (e)	mm	526	526	526	526	526	526
Weight	kg	9050	8700	8500	8400	8300	8300



¹ Meets ISO TR 14396

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