

AXION		870	850	830	810	800
Engine						
Manufacturer		FPT	FPT	FPT	FPT	FPT
Number of cylinders		6	6	6	6	6
Cubic capacity	cm ³	6728	6728	6728	6728	6728
Variable geometry turbo		●	●	●	●	●
Engine fan		VISCTRONIC	VISCTRONIC	VISCTRONIC	VISCTRONIC	Visco coupler
Rated output (ECE R 120) ¹	kW/hp	199/270	184/250	165/225	151/205	142/194
Max. output (ECE R 120) ¹	kW/hp	206/280	194/264	173/235	158/215	150/205
Max. output with CPM (ECE R 120) ¹	kW/hp	217/295	–	–	–	–
Rated output type approval value for HEXASHIFT models ²	kW/hp	–	186/253	168/228	153/208	142/193
Rated output type approval value for CMATIC models ²	kW/hp	209/284	192/261	179/243	168/228	–
Max. output type approval value for HEXASHIFT models ²	kW/hp	–	194/264	175/238	161/219	150/204
Max. output type approval value for CMATIC models ²	kW/hp	221/300	204/277	188/255	175/238	–
Max. torque	Nm	1276	1132	1016	941	896
Max. fuel tank capacity	l	455	455	455	455	455
Oil-change interval	h	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
Powershift speeds		–	6	6	6	6
Electronically controlled ranges		–	4	4	4	4
REVERSHIFT clutchless reverser		–	●	●	●	●
Min. speed at rated engine speed	km/h	–	1.59	1.70	1.63	1.63
Min. speed with creep gear at rated engine speed	km/h	–	0.44	0.47	0.45	0.45
Max. speed	km/h	–	40/50	40/50	40/50	40/50

Rear axle

Max. diameter of rear tyres	m	2.05	2.05	2.05	2.05	1.95
Widest rear tyres		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 3.0 m wide		○	○	○	○	○
Automatic differential lock		●	●	●	●	●
Park-lock		●	●	●	●	●
Oil-change interval	h	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: 1¾" with 6 or 21 splines and 1¾" 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

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Hydraulics						
Load-sensing hydraulics 110 l/min		●	●	●	●	●
Load-sensing hydraulics 150 l/min		○	○	○	○	○
Load-sensing hydraulics 205 l/min		○	○	○	○	○
Max. operating pressure	bar	200	200	200	200	200
Number of mechanical spool valves		–	3–4	3–4	3–4	3–4
Number of electronic spool valves		3-7	3-7	3-7	3-7	3-7
Two central electronic spool valves, operated from ELECTROPILOT		○	○	○	○	○
Flow rate control		●	●	●	●	●

Rear linkage

Max. lifting capacity at ball ends	kg	10200	10200	9700	9500	9500
Continuous lifting power at 610 mm	kg	6200	6200	6200	6200	6200
Vibration damping		●	●	●	●	●
External controls		●	●	●	●	●
Active wheel slip control		○	○	○	○	○

Front linkage

Lifting capacity	t	4.7 / 5.9	4.7 / 5.9	4.7 / 5.9	4.7 / 5.9	4.7 / 5.9
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		●	●	●	●	●

Data management and operator assistance systems

CEMOS		○	○	○	○	○
CSM headland management		○	○	○	○	○
ISOBUS and ICT		○	○	○	○	○
GPS PILOT ready		○	○	○	○	○
GPS PILOT steering system		○	○	○	○	○
TELEMATICS		●	●	●	●	●

¹ Meets ISO TR 14396

² Performance data fit criteria for admissibility.

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Dimensions and weights

Standard

Overall height (a)	mm	3215	3215	3215	3215	3215
Length: front linkage folded (b)	mm	5428	5428	5428	5428	5428
Wheelbase (c)	mm	2980	2980	2980	2980	2980
Ground clearance, front axle (d)	mm	470	470	470	470	470
Ground clearance, rear axle (e)	mm	526	526	526	526	526
Weight	kg	9050 / 9450	8700 / 9450	8400 / 9150	8300 / 9050	8300 / 8600

