

AXION		870	850	830	810	800
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



AXION		870	850	830	810	800
Engine						
Manufacturer		FPT	FPT	FPT	FPT	FPT
Number of cylinders		6	6	6	6	6
Cubic capacity	cm³	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	—	186/249	168/225	153/205	142/194
Rated output type approval value for CMATIC models ²	kW/hp	209/280	192/257	179/240	168/225	—
Max. output type approval value for HEXASHIFT models ²	kW/hp	—	194/260	175/235	161/216	150/205
Max. output type approval value for CMATIC models ²	kW/hp	221/296	204/273	188/252	175/235	—
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	—	1.69	1.69	1.66	1.64
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 locks		●	●	●	●	●
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

¹ Meets ISO TR 14396

² Performance data fit criteria for admissibility.

AXION		870	850	830	810	800
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. lift capacity at ball ends	kg	10200	10200	9700	9700	9500
Continuous lift capacity at 610 mm	kg	6200	6200	6200	6200	6200
Vibration damping		●	●	●	●	●
External controls		●	●	●	●	●
Active wheel slip control		○	○	○	○	○

Front linkage

Lift 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		—	●	●	●	●
CIS+		●	○	○	○	○
CEBIS		○	○	○	○	○
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		○	○	○	○	○
GPS PILOT ready		○	○	○	○	○
GPS PILOT steering system		○	○	○	○	○
TELEMATICS		●	●	●	●	●
Remote Service		●	●	●	●	●

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