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 <sup>3</sup>	6728	6728	6728	6728	6728	6728
/ariable geometry turbo	UIII	•	•	•	•	•	•
Rated output (ECE R 120) <sup>1</sup>	kW/hp	199/270	184/250	176/240	165/225	151/205	142/194
Max. output (ECE R 120) <sup>1</sup>	kW/hp	206/280	194/264	184/250	173/235	158/215	150/205
Max. output with CPM (ECE R 120) <sup>1</sup>	kW/hp	217/295	_	_	-	_	_
ype approval value for HEXASHIFT models (97/68/EC) <sup>2</sup>	kW/hp	-	186/253	179/244	168/229	153/208	142/193
ype approval value for CMATIC models (97/68/EC) <sup>2</sup>	kW/hp	220/301	192/261	_	176/240	168/229	_
Aax. torque	Nm	1276	1132	1071	1016	941	896
Nax. fuel tank capacity	1	455	455	455	455	455	455
)il-change interval	h	600	600	600	600	600	600
		000	000	000	000	000	000
MATIC continuously variable transmission EVERSHIFT clutchless reverser		•	•	•	•	•	•
	km/b	0.05	0.05	•	0.05	0.05	•
/in. speed at rated engine speed	km/h			-			-
flax. speed	km/h	40/50	40/50	-	40/50	40/50	-
IEXASHIFT powershift transmission							
lumber of gears		-	24/24	24/24	24/24	24/24	24/24
owershift speeds		-	6	6	6	6	6
lectronically controlled ranges		-	4	4	4	4	4
EVERSHIFT clutchless reverser		-	•	•	•	•	•
lin. speed at rated engine speed	km/h	-	1.7	1.7	1.7	1.7	1.7
Iin. speed with creep gear at rated engine speed	km/h	-	0.44	0.47	0.47	0.45	0.45
lax. speed	km/h	-	40/50	40/50	40/50	40/50	40/50
Rear axle							
Nax. diameter of rear tyres	m	2.05	2.05	2.05	2.05	2.05	1.95
Videst rear tyres		900/60	900/60	900/60	900/60	900/60	710/70
		R38	R 38				
langed axle		•	•	•	•	•	•
luick-release axle 2.5 or 3.5 m wide		0	0	0	0	0	0
utomatic differential lock		•	•	•	•	•	•
ark-lock		•	•	•	•	•	•
il-change interval	h	1200	1200	1200	1200	1200	1200
סדי							
xternal operation of engagement and emergency stop		•	•	•	•	•	•
40 / 1000		•	•	•	•	•	•
40 / 540 ECO / 1000		0	0	0	0	0	0
640 ECO / 1000 / 1000 ECO		0	0	0	0	0	0
TO shaft stub: 1%" with 6, 8 or 21 splines nd 1%" with 20 splines							
our-wheel drive front axle							
ligid front axle		•	•	•	•	•	•
ROACTIV suspended front axle		0	0	0	0	0	0
utomatic 4-wheel drive		•	•	•	•	•	•
urning radius	m	5.31	5.31	5.31	5.31	5.31	5.31
lydraulics							
		•	•	•	•	•	•
-		•	•				
oad-sensing circuit	l/min						110 (150)
Load-sensing circuit Max. output, standard (option) Number of mechanical spool valves	l/min	110 (150) -	110 (150) 3–4				

AXION		870
Rear linkage		
Max. lifting capacity at ball ends	kg	10200
Continuous lifting power at ball ends	kg	6200
Vibration damping		•
External controls		•
Active wheel slip control		0
Front linkage		
Lift capacity	t	4.6/5.8
Front PTO 1000 rpm		0
Vibration damping		•
Position control		0
External front linkage operation		0
Four additional hydraulic connections		0
External operation of additional connections		0
ISOBUS and trailer socket		0
Cab		
CIS version		-
CIS+ version		•
CEBIS version		0
4-point suspension		•
Multifunction armrest		•
Air conditioning		•
Automatic climate control		0
Passenger seat with integral cool box		•
EASY		
GPS PILOT ready		0
GPS PILOT steering system		0
TELEMATICS		•
Dimensions and weights		
Standard equipment		
Overall height (a)	mm	3215
Length: front linkage folded (b)	mm	5428
Wheelbase (c)	mm	2980
Ground clearance, front axle (d)	mm	470
Ground clearance, rear axle (e)	mm	526
Weight	kg	9050



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1 Meets ISO TR 14396 <sup>2</sup> Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC.

850	840	830	810	800
10200	9700	9700	9500	9500
6200	6200	6200	6200	6200
•	•	•	•	•
•	•	•	•	•
0	0	0	0	0
4.6/5.8	4.6/5.8	4.6/5.8	4.6/5.8	4.6/5.8
0	0	0	0	0
•	•	•	•	•
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
•	•	•	•	•
0	0	0	0	0
0	0	0	0	0
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
0	0	0	0	0
•	•	•	•	•
0	0	0	0	0
0	0	0	0	0
•	•	•	•	•
3215	3215	3215	3215	3215
5428	5428	5428	5428	5428

5428	5428	5428	5428	5428
2980	2980	2980	2980	2980
470	470	470	470	470
526	526	526	526	526
8700	8500	8400	8300	8300

