

AXOS

		340	330	320	310
Engine					
Manufacturer		Perkins	Perkins	Perkins	Perkins
Number of cylinders/intake		4/TI	4/TI	4/T	4/T
Cubic capacity	cm ³	4,400	4,400	4,400	4,400
Bore/stroke	mm	105/127	105/127	105/127	105/127
Output at rated speed (ISO TR 14396 ¹ , 97/68/EC ²)	kW/hp	75/102	68/92	64/87	55/75
Output at nominal engine speed (ECE R 24)	kW/hp	74/100	66/90	63/86	54/74
Nominal engine speed	rpm	2,200	2,300	2,300	2,300
Engine speed at max. torque	rpm	1,400	1,400	1,200	1,200
Max. torque (ISO TR 14396 ¹ , 97/68/EC ²)	Nm	410	398	373	307
Max. torque (ECE R 24)	Nm	405	393	369	305
Torque rise	%	26	43	43	35
Visco fan		●	●	●	●
Max. fuel capacity	l	145	145	145	145
Oil-change interval	h	500	500	500	500
Transmission					
Manufacturer		CLAAS	CLAAS	CLAAS	CLAAS
Top speed	km/h	40/30	40/30	40/30	40/30
CX version					
REVERSHIFT – electrohydraulic reversing function		●	●	●	●
Mechanical gears		5	5	5	5
TWINSHIFT powershift transmission with 2 steps per ratio		●	●	●	●
Creep gears		○	○	○	○
Min. speed of creep gears at 2,200 rpm	km/h	0.44	0.44	0.44	0.44
Max. ratios (F/R)		30/30	30/30	30/30	30/30
CL version					
REVERSHIFT – electrohydraulic reversing function		●	●	●	●
Mechanical gears		5	5	5	5
Creep gears		○	○	○	○
Min. speed of creep gears at 2,200 rpm	km/h	0.54	0.54	0.54	0.54
Max. ratios (F/R)		15/15	15/15	15/15	15/15
C version					
Synchronised reversing gear					
Mechanical gears		5	5	5	5
Creep gears		○	○	○	○
Min. speed of creep gears at 2,200 rpm	km/h	0.54	0.54	0.54	0.54
Max. ratios (F/R)		15/15	15/15	15/15	15/15
Synchronised reversing gear with mechanical reduction					
Mechanical gears		5	5	5	5
Creep gears		○	○	○	○
Min. speed of creep gears at 2,200 rpm	km/h	0.44	0.44	0.44	0.44
Max. ratios (F/R)		30/30	30/30	30/30	30/30
PTO					
Clutch type depending on option				Mechanically/hydraulically supported	
540/1000		●	●	●	●
540/540 ECO		○	○	○	○
540/540E/1000		○	○	○	○
Changeable PTO shaft stub		●	●	●	●
Number of splines		6	6	6	6
Front PTO shaft 1,000 rpm		●	●	●	●
Road safety					
Braking system (multiple discs in oil bath and all-wheel auto activation)		●	●	●	●
Air brake system		○	○	○	○
Hydraulic trailer braking system		●	●	●	●

● Standard ○ Optional ■ Available – Not available ¹ Compliant with ECE R 120 (approx.)

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

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All-wheel-drive front axle					
Electrohydraulic operation		●	●	●	●
Self-locking differential front/rear (self-locking multidisc clutch at front / dog clutch at rear)		●	●	●	●
Max. steering angle	degrees	55	55	55	55
Castor angle	degrees	6	6	6	6
Compensation angle	degrees	10	10	10	10
Turning radius	m	4.4	4.3	4.3	4.3
Track	mm	1,885	1,755	1,755	1,755
with tyres		13.6 R 24	11.2 R 24	11.2 R 24	11.2 R 24
Hydraulic system					
Hydraulic oil flow for linkage and spool valves	l/min	60	60	60	60
Max. operating pressure	Bar	180	180	180	180
Number of spool valves (min./max.)		2/3	2/3	2/3	2/3
4-way control lever		○	○	○	○
Flow regulation		Depending on equipment package			
Control units with lock-up valve		Depending on equipment package			
Rear lifting arms					
Max. lift capacity at ball ends (depending on equipment)	kg	5,100	4,200	4,200	3,300
Continuous lift capacity at 610 mm (depending on equipment)	kg	3,800	2,900	2,900	2,300
TRACTO CONTROL ELECTRONIC (TCE 9)		Optional for CX version only			
External operation for rear linkage		●	●	●	●
Lower and upper linkage with category 2 ball ends		–	●	●	●
Lower and upper linkage with category 2 coupling hooks		●	○	○	○
Lower and upper linkage with category 3/2 coupling hooks		○	○	–	–
Front lift linkage					
Front lift linkage		○	○	○	○
Max. lift capacity at ball ends	kg	2,800	2,800	2,800	2,800
Cab					
Low-profile roof		●	●	●	●
Platform		○	○	○	○
High-profile roof		○	○	○	○
Driver's seat, mechanically suspended		●	●	●	●
Driver's seat, air-suspended		○	○	○	○
Steering column, height and angle adjustable		Depending on equipment package			
Heating		●	●	●	●
Air conditioning		○	○	○	○
Opening rear window		●	●	●	●
Opening front screen		○	○	○	○
Stereo radio with 2 loudspeakers		○	○	○	○
Rear window wipers		○	○	○	○
Max. number of work lights		4 front / 4 rear			
Weight (standard tyres, with oil and fuel, without driver)					
Rear wheels		16.9 R 38	16.9 R 34	16.9 R 34	16.9 R 30
Front wheels		13.6 R 28	13.6 R 24	13.6 R 24	11.2 R 24
Weight without ballast	kg	4,200	3,730	3,730	3,650
Max. ballast weights ex factory	kg	4,922	4,352	4,152	3,972
Weight distribution with ballast (rear/front)	%	45/55	49/51	53/47	54/46
Permissible total weight	kg	8,500	7,500	7,500	7,500

● Standard ○ Optional ■ Available – Not available

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Specifications

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		340	330	320	310
Dimensions (standard tyres)					
Rear wheels		16.9 R 38	16.9 R 34	16.9 R 34	16.9 R 30
Front wheels		13.6 R 28	13.6 R 24	13.6 R 24	11.2 R 24
Height with high-roof cab (a)	mm	2,710	2,660	2,660	2,610
Height with low-roof cab (b)	mm	2,561	2,511	2,511	2,461
Height with platform (roll bar extended/retracted) (b)	mm	2,706/2,050	2,656/2,000	2,656/2,000	2,606/1,950
Clearance between rear wheel centre point and roof (high-roof) (a)	mm	1,910	1,910	1,910	1,910
Clearance between rear wheel centre point and roof (low-roof) (a)	mm	1,761	1,761	1,761	1,761
Length					
Wheelbase (c)	mm	2,489	2,489	2,489	2,489
Overall length (without additional front weights) (d)	mm	4,181	4,181	4,181	4,181
Ground clearance					
Front axle (e)	mm	490	441	441	399
Rear axle (without swinging drawbar) (f)	mm	515	465	465	420

Tyres

Rear tyres	Front tyres				
16.9 R 30 (420/85 R 30)	11.2 R 24 (280/85 R 24)	–	◻	◻	◻
16.9 R 30 (420/85 R 30)	320/70 R 24	–	◻	◻	◻
480/70 R 30	11.2 R 24 (280/85 R 24)	–	◻	◻	◻
480/70 R 30	320/70 R 24	–	◻	◻	◻
540/65 R 30	11.2 R 24 (280/85 R 24)	–	◻	◻	◻
540/65 R 30	320/70 R 24	–	◻	◻	◻
16.9 R 34 (420/85 R 34)	13.6 R 24 (340/85 R 24)	–	◻	◻	◻
16.9 R 34 (420/85 R 34)	14.9 R 24 (380/85 R 24)	◻	–	–	–
480/70 R 34	380/70 R 24	–	◻	◻	◻
480/70 R 34	420/70 R 24	◻	–	–	–
540/65 R 34	440/65 R 24	–	◻	◻	◻
540/65 R 34	480/65 R 24	◻	–	–	–
16.9 R 34 (440/80 R 34)*	13.6 R 24 (360/80 R 24)*	–	◻	◻	◻
16.9 R 34 (440/80 R 34)*	14.9 R 24 (400/80 R 24)*	◻	–	–	–
12.4 R 36 (320/85 R 36)	11.2 R 24 (280/85 R 24)	–	◻	◻	◻
12.4 R 36 (320/85 R 36)	320/70 R 24	–	◻	◻	◻
13.6 R 36 (340/85 R 36)	12.4 R 24 (320/85 R 24)	–	◻	◻	◻
18.4 R 30 (460/85 R 30)	12.4 R 24 (320/85 R 24)	–	◻	◻	◻
18.4 R 34 (460/85 R 34)	14.9 R 24 (380/85 R 24)	–	◻	◻	◻
18.4 R 34 (460/85 R 34)	13.6 R 28 (340/85 R 28)	◻	–	–	–
520/70 R 34	420/70 R 24	–	◻	◻	◻
520/70 R 34	380/70 R 28	◻	–	–	–
600/65 R 34	480/65 R 24	–	◻	◻	◻
600/65 R 34	440/65 R 28	◻	–	–	–
13.6 R 38 (340/85 R 38)	13.6 R 24 (340/85 R 24)	◻	◻	◻	◻
16.9 R 38 (420/85 R 38)	13.6 R 28 (340/85 R 28)	◻	–	–	–
540/65 R 38	440/65 R 28	◻	–	–	–

● Standard ○ Optional ◻ Available – Not available * Tyres with industrial tread

