

AXOS		340	330	320	310
<b>Engine</b>					
Manufacturer		Perkins	Perkins	Perkins	Perkins
Number of cylinders / intake		4/T <sup>1</sup>	4/T <sup>1</sup>	4/T <sup>1</sup>	4/T <sup>1</sup>
Cubic capacity	cm <sup>3</sup>	4400	4400	4400	4400
Bore / stroke	mm	105/127	105/127	105/127	105/127
Output at nominal engine speed (ECE R 120 <sup>2</sup> , 97/68/EC <sup>3</sup> )	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	2200	2300	2300	2300
Engine speed at max. torque	rpm	1400	1400	1400	1400
Max. torque (ECE R 120 <sup>2</sup> , 97/68/EC <sup>3</sup> )	Nm	410	398	364	306
Max. torque (ECE R 24)	Nm	405	394	362	304
Torque increase	%	26	43	38	35
Viscous fan		●	●	●	●
Max. fuel tank 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 clutchless reverser)		●	●	●	●
Mechanical gears		5	5	5	5
TWINSHIFT powershift transmission with 2 steps per ratio		●	●	●	●
Creep gears		○	○	○	○
Min. speed of creep gears at 2200 rpm	km/h	0.44	0.46	0.46	0.46
Max. ratios (F/R)		30/30	30/30	30/30	30/30

#### C version

Synchronised reversing gear					
Mechanical gears		5	5	5	5
REVERSHIFT (electrohydraulic clutchless reverser)		○	○	○	○
Creep gears		○	○	○	○
Min. speed of creep gears at 2200 rpm	km/h	0.54	0.56	0.56	0.56
Max. ratios (F/R)		15/15	15/15	15/15	15/15
Synchronised clutchless reverser with mechanical splitter					
Mechanical gears		5	5	5	5
Creep gears		○	○	○	○
Min. speed of creep gears at 2200 rpm	km/h	0.44	0.46	0.46	0.46
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 E / 1000		○	○	○	○
Changeable PTO stub		●	●	●	●
Number of splines		6	6	6	6
Front PTO 1000 rpm		●	●	●	●

#### Road safety

Braking system (multiple discs in oil bath and automatic 4WD activation)		●	●	●	●
Air brakes		○	○	○	○
Hydraulic trailer braking system		○	○	○	○

1 T: turbocharger, I: intercooler

2 Identical to ISO TR 14396

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

● Standard ○ Optional □ Available – Not available

AXOS		340	330	320	310
<b>Four-wheel-drive front axle</b>					
Electrohydraulic operation		●	●	●	●
Differential locks 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
Angle of oscillation	degrees	10	10	10	10
Turning radius	m	4.40	4.30	4.30	4.30
Track	mm	1885	1755	1755	1755
with tyres		13.6 R 24	11.2 R 24	11.2 R 24	11.2 R 24

#### Hydraulic system

Hydraulic pump output for rear linkage and spool valves	l/min	55	55	55	55
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 control		Depending on equipment package			
Spool valves with lock-up unit		Depending on equipment package			

#### Rear linkage

Max. lifting capacity at ball ends (depending on equipment package)	kg	5100	4200	4200	3300
Continuous lifting power at ball ends (depending on equipment package)	kg	3800	2900	2900	2300
TCE 9 electronic linkage control system		Optional for CX version only			
External rear linkage operation		●	●	●	●
Lower and upper links with category II ball end		–	●	●	●
Lower and upper links with category II coupling hook		●	○	○	○
Lower and upper links with category III coupling hook		○	○	–	–

#### Front linkage

Front linkage		○	○	○	○
Max. lifting capacity at ball ends	kg	2800	2800	2800	2800

#### Cab

Low-profile roof		●	●	●	●
High-profile roof		○	○	○	○
Driver's seat, mechanical suspension		●	●	●	●
Driver's seat, air suspension		○	○	○	○
Steering column, height and angle adjustable		Depending on equipment package			
Heating		●	●	●	●
Air conditioning		○	○	○	○
Opening rear window		●	●	●	●
Opening front window		○	○	○	○
Stereo radio with 2 loudspeakers		○	○	○	○
Rear window wiper		○	○	○	○
Max. number of work lights		4 front / 4 rear			

#### Weight

##### (standard tyres, with oil and fuel, with 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	4200	3730	3730	3650
Max. weight with ballast ex factory	kg	4922	4352	4152	3972
Weight distribution with ballast (rear / front)	%	45/55	49/51	53/47	54/46
Permissible total weight	kg	8000	7500	7500	7500

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All technical specifications relating to engines are based on the European emission regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.

● Standard ○ Optional □ Available – Not available

AXOS		340	330	320	310
<b>Dimensions (standard tyres)</b>					
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 (b)	mm	2710	2660	2660	2610
Height with low-roof cab (b)	mm	2561	2511	2511	2461
Clearance between rear wheel centre point and roof (high-roof) (a)	mm	1910	1910	1910	1910
Clearance between rear wheel centre point and roof (low-roof) (a)	mm	1761	1761	1761	1761
<b>Length</b>					
Wheelbase (c)	mm	2489	2489	2489	2489
Overall length (without additional front weights) (d)	mm	4181	4181	4181	4181
<b>Ground clearance</b>					
Front axle (e)	mm	490	441	441	399
Rear axle (without 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)	–	□	□	□
18.4 R 30 (460/85 R 30)	12.4 R 24 (320/85 R 24)	–	○	○	○
480/70 R 30	320/70 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) <sup>1</sup>	13.6 R 24 (360/80 R 24) <sup>1</sup>	–	□	□	□
16.9 R 34 (440/80 R 34) <sup>1</sup>	14.9 R 24 (400/80 R 24) <sup>1</sup>	□	–	–	–
12.4 R 36 (320/85 R 36)	11.2 R 24 (280/85 R 24)	–	□	□	□
13.6 R 36 (340/85 R 36)	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	□	–	–	–

1 Tyres with industrial tread



● Standard ○ Optional □ Available – Not available