

AGROFARM 85 • 100

Tires, wheels, track widths		85	100
320/85 R24	f		1,534 - 2,128
420/85 R30	r		1,604 - 2,004
320/85 R24	f		1,534 - 2,128
480/70 R30	r		1,604 - 2,004
360/70 R24	f		1,524 - 2,138
480/70 R30	r		1,602 - 2,098
380/85 R24	f		1,534 - 2,128
420/85 R34	r		1,604 - 2,004
480/65 R24	f		1,534 - 2,128
540/65 R34	r		1,702 - 2,002
420/70 R24	f	1,534 - 2,128	1,534 - 2,128
480/70 R34	r	1,592 - 2,008	1,692 - 2,108
320/85 R28	f	1,524 - 2,138	1,524 - 2,138
340/85 R38	r	1,584 - 2,020	1,684 - 2,120
12.4 R28	f	1,524 - 2,138	
16.9 R38	r	1,584 - 2,020	
380/85 R24	f		1,534 - 2,128
420/85 R34	r		1,602 - 2,102
480/65 R24	f		1,534 - 2,128
540/65 R34	r		1,652 - 2,052
340/85 R28	f		1,524 - 2,138
460/85 R34	r		1,602 - 2,102
340/85 R28	f		1,524 - 2,138
460/85 R34	r		1,602 - 2,102
360/70 R28	f		1,524 - 2,138
520/70 R34	r		1,602 - 2,102
420/85 R24	f		1,534 - 2,128
460/85 R34	r		1,602 - 2,102
460/85 R34	f		1,436 - 2,128
420/85 R24	r		1,602 - 2,102
480/70 R24	f		1,436 - 2,128
520/70 R34	r		1,602 - 2,102
340/85 R28	f		1,524 - 2,138
420/85 R38	r		1,594 - 2,030
380/70 R28	f		1,630 - 2,128
480/70 R38	r		1,604 - 1,998
440/65 R28	f		1,632 - 2,132
540/65 R38	r		1,664 - 2,464

Available standard tire combinations are given on the current valid price lists.

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Engine		85	100
Liquid-cooled DEUTZ diesel engine	Type	BF4M 2012 C	BF4M 2012 C
Rated power (ECE R24)	kW/hp	56 / 76	66 / 90
Maximum power (ECE R24)	kW/hp	59 / 80	68 / 93
Maximum power (2000/25/EC)*	kW/hp	60 / 82	70 / 96
Speed rated / max. power	rpm	2,300 / 2,000	
Cylinders/cubic capacity	No./cm ³	4 / 4,038	
Bore/stroke	mm	101 / 126	
Starting torque	%	124	113
Maximum torque	Nm	297	353
Constant torque range	rpm	1,300-1,700	
Torque rise	%	29	
Constant power range	rpm	1,800-2,300	
Air intake		under the cowling	
Engine oil change interval		500 h or annually	
Oil quantity/tank capacity	l	9 / 160	
Cab		85	100
Variants		Integrated cab, with A/C and open-view roof on request, platform possible on request	
Electrical system		85	100
Voltage	V	12	
Alternator	kW/A	12 / 95	
Battery	V/Ah	12 / 180	
High-voltage socket		3-pin 25 A	
Chassis, brakes, steering		85	100
Front differential lock		100 %, electrohydraulic activation	
Rear differential lock		Electrohydraulic activation	
Service brake		Wet disk brake system on all 4 wheels	
Parking brake		Acts on disk brake	
Steering system		Hydrostatic with separate pump	
Steering angle / smallest turning circle		55° / 3.50 m	
Steering		Separate gear pump	
Pump flow rate / pressure	l/min (bar)	Up to 26 (180)	
Working hydraulics		85	100
System / oil reservoir		Open center / shared with transmission	
Pump flow rate	l/min (bar)	54 (190)	
Available oil quantity	l	20	
Powerlift		85	100
Category of 3-point hitch, rear		II / fast coupler optional	
Lifting force at rear (with additional lifting cylinders)	kg	3,450	4,800 (6,200)
Front powerlift, cat. II		On request	
Front powerlift lifting force	kg	1,800	

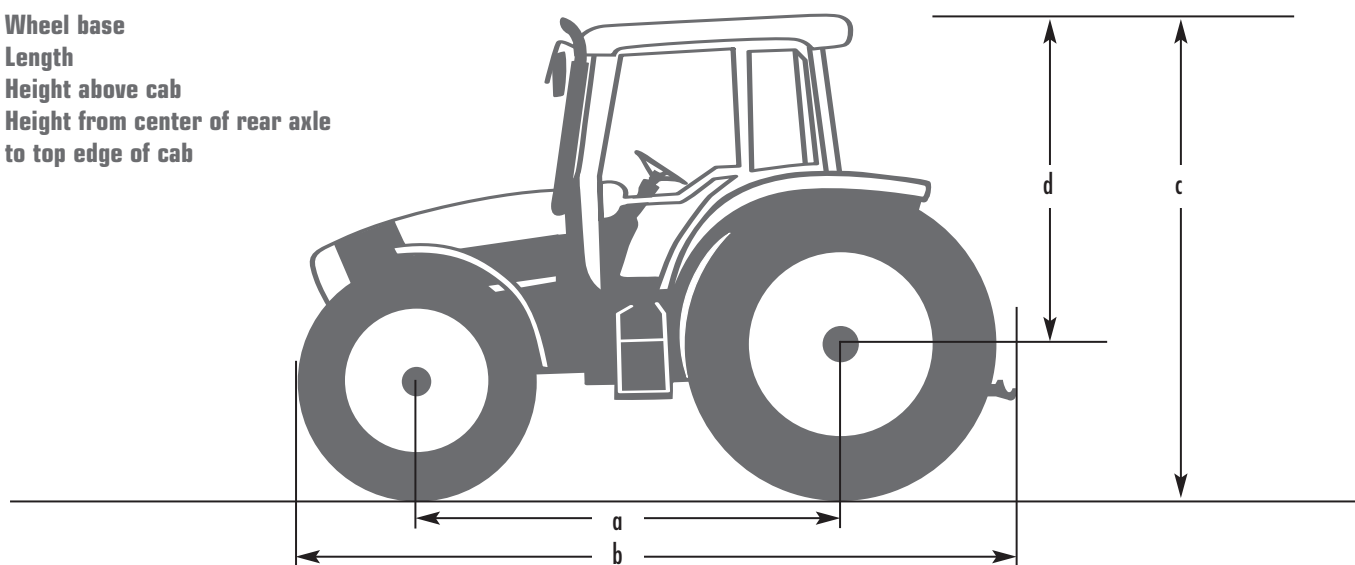
* without fan

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Hydraulic remote valves		85	100		
No. of remote valves		2 or 3			
Non-pressurized recirculation		Standard			
Functions		Double-acting with float position and can be coupled under pressure			
Blocking		In neutral, lifting and float position			
Actuation		Mechanical, with cross-gate lever / single lever			
Transmission		85	100		
Synchroshift		T 4000 series with 20/20 speeds	T 5000 series with 20/20 speeds		
Duospeed transmission		T 4100 series with 40/40 speeds	T 5100 series with 40/40 speeds		
No. of speeds	F/R	20/20 or 40/40, each incl. creeper speeds (see tables)			
Clutch		Single disk dry clutch with 12" diameter	Single disk dry clutch with 13" diameter		
Powershuttle		Optional*, with oil-immersed multi-plate clutch			
Speeds of Synchroshift transmission 20 / 20 with 540 / 65 R34 tires, example for Agrofarm 85					
		 S			
1		0.402	1.132	3.605	10.915
2		0.596	1.677	5.341	16.171
3		0.793	2.231	7.106	21.515
4		1.047	2.943	9.374	28.361
5		1.389	3.907	12.442	37.670
Speeds of Duospeed powershift transmission 40 / 40 with 16.9 R38 tires, example for Agrofarm 100					
		 S (low / high)	 (low / high)	 (low / high)	 (low / high)
1		0.464 / 0.542	1.579 / 1.842	3.410 / 3.978	10.152 / 11.844
2		0.625 / 0.729	2.123 / 2.477	4.586 / 5.351	13.655 / 15.931
3		0.831 / 0.970	2.825 / 3.296	6.102 / 7.119	18.167 / 21.196
4		1.183 / 1.381	4.023 / 4.694	8.689 / 10.138	25.872 / 30.185
5		1.596 / 1.862	5.425 / 6.330	11.717 / 13.671	34.888 / 40.703
Front PTO		85	100		
Clutch / actuation		Oil-immersed multi-plate clutch, electrohydraulic shifting			
Engine speed	rpm	1,000			
PTO profile		6-spline shaft 1 3/8"			
Direction of rotation		Right in direction of travel			
Rear PTO		85	100		
Clutch / actuation		Oil-immersed multi-plate clutch, electrohydraulic shifting			
PTO stub		Can be exchanged			
Profiles		1 3/8" 6-spline or 1 3/8" 21-section			
Engine speed 540/1000	rpm	2,080 / 2,280			
Engine speed 540/540E/1000/1000E	rpm	2,080 / 1,630 / 2,280 / 1,780			

*depending on equipment variant according to national price list

- a** Wheel base
- b** Length
- c** Height above cab
- d** Height from center of rear axle to top edge of cab



Dimensions in mm	85 (rear wheel 540 R24)	100 (rear wheel 16.9 R38)
a Wheel base	2,310	2,340
b Length with / without lower link	4,060 / 3,850	4,160 / 3,950
c Height above cab*	2,513 / 2,683	2,638 / 2,808
d Height from center of rear axle to top edge of cab** Standard roof (open-view roof)	1,768 / 1,938 (1,858 / 1,898)	1,848 / 2,013 (1,923 / 1,963)
Ground clearance	450	500
Weights in kg (40 km/h, cab)	85	100
Unladen weight		
Front	1,750	2,000
Rear	2,050	2,300
Total	3,400	3,700
Permissible laden weight		
Front	2,800	3,000
Rear	3,300	4,800
Total	6,100	7,200
Payload		
Front	1,050	1,000
Rear	1,250	2,500
Total	2,700	3,500

* For standard roof without / with A/C depending on rear wheel tires

** Design height for cab without / with A/C