









TECHNICAL DATA

AGROFARM 85 • 100

Type designation		85	100
Engine			
DEUTZ diesel engine	Type	BF4M 2012 C	BF4M 2012 C
Design		Turbo/liquid-cooled/high-pressure injection	
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	61/83	71/97
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	%	31	33
Constant power range	rpm	1,800-2,300	
Engine oil change interval		500 h or every year, whichever comes the soonest**	
Oil quantity/tank capacity	l	9/160	
Use of bio-diesel		Suitable for unrestricted use of fuel in accordance with DIN EN 14214	
Cab			
Design		Integrated cab, with noise insulation, exhaust on the side of the strut	
Equipment		Sun blind, tinted windows, wiper/washer unit at front and rear, opening for implement actuation, working headlamp at front and rear, interior lighting, Grammer mechanical comfort seat (with air suspension on request) with seat belt	
Heating		Hot-water heating with fan with 3 settings	
Air conditioning		Front and rear windows can be tilted, ventilation system with fan, A/C system on request, tiltable glass roof on request	
Display		Non-glare information display with digital display showing vehicle speed, speed of front/rear PTO, powershift stages, operating hours, time, etc.	
Electrical system			
Voltage	V	12	
Alternator	kW/A	12/95	
Battery	V/Ah/A	12/180/800	
Chassis, brakes, steering			
Front differential lock		100%, electrohydraulic activation	
Rear differential lock		Electrohydraulic activation	
4-wheel drive operation		Mechanical, electrohydraulic on request	
Service brake		Wet disk brake system on all 4 wheels	
Steering system		Hydrostatic with separate pump (37 l)	
Steering angle/smallest turning circle		55°/3,50 m	
Trailer brake		Combined one/two line compressed air braking system on request	
Working hydraulics			
System/oil reservoir		Open center/shared with transmission	
Pump flow rate	l/min (bar)	54 (190)	
Available oil quantity	l	20	

* Basis for approval

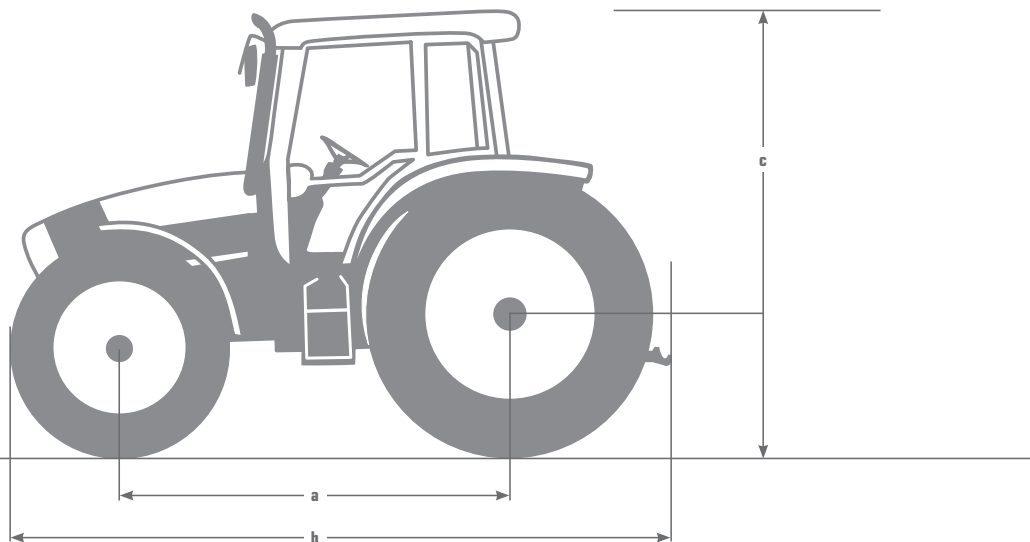
** Engine oil change interval halved if run on bio-diesel

Type designation	85	100		
Powerlift				
Category of 3-point hitch, rear	II/fast coupler optional			
Lifting force at rear	kg 3,450	6,200		
Front powerlift, cat. II	Integrated with folding lower links on request			
Front powerlift lifting force	kg 1,800			
Hydraulic remote valves				
No. of remote valves	2/3 on request			
Non-pressurized recirculation	Standard			
Version	Double-acting, mechanical actuation			
Transmission				
Synchroshift transmission	20/20 speeds			
Duospeed transmission with two powershift stages	40/40 speeds			
Clutch actuation	Mechanical, electrohydraulic actuation via foot pedal and switch in gear lever on request			
Reverse transmission	Mechanical with separate shifting lever on the left side, electrohydraulic Powershuttle on the steering wheel on request			
Speeds of Synchroshift transmission 20/20 with 480/70 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 480/70 R34 tires, example for Agrofarm 85				
	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				
Actuation	Electrohydraulic shifting			
Speed	rpm 1,000			
Direction of rotation	Right in direction of travel			
Rear PTO				
Actuation	Electrohydraulic; in the cab and on the two rear mudguards			
Ground-speed PTO	With separate PTO stub on request			
PTO speeds	540/540E/1,000/1,000E			
Engine speed 540/540E/1.000/1.000E	rpm 2,080/1,630/2,280/1,780			

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- a Wheel base
- b Length
- c Height above cab



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Dimensions in mm		
a Wheel base	2,310	2,340
b Length with/without lower link	4,060/3,850	4,160/3,950
c Overall height without/with A/C*	2,513/2,683	2,638/2,808
Track widths	Adjustable wheel rims, track widths between 1,500 and 2,100mm possible depending on tires	
Minimum width	1,957 mm with 340/85 R 38 tires	
Ground clearance (with standard tires)	500	500
Weights in kg (40 km/h, cab)		
Unladen weight**		
Front	1,610	1,620
Rear	2,060	2,390
Total	3,670	4,010
Permissible laden weight		
Maximum front axle load	2,800	3,000
Maximum rear axle load	3,300	4,800
Permissible total weight	6,100	7,200

* For standard roof; depending on rear wheel tires

** With ballast carriers without ballast weights, without front powerlift, with cab and driver (75kg) and a full fuel tank

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Type designation	85		100	
	Front	Rear	Front	Rear
Option	320/85 R24	420/85 R30	–	–
Option	360/70 R24	480/70 R30	–	–
Option	320/85 R28	340/85 R38	320/85 R28	340/85 R38
Option	480/65 R24	540/65 R34	480/65 R24	540/65 R34
Standard	420/70 R24	480/70 R34	420/70 R24	480/70 R34
Option	380/85 R24	420/85 R34	380/85 R24	420/85 R34
Option	–	–	360/70 R28	–
Option	–	–	480/70 R24	520/70 R34
Option	–	–	340/85 R28	–
Option	–	–	420/85 R24	460/85 R34
Option	–	–	340/85 R28	420/85 R38
Option	–	–	440/65 R28	540/65 R38
Option	–	–	380/70 R28	480/70 R38

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

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