

# TECHNICAL DATA

# AGROFARM 410 • 420 • 430













Type designation		410	420	430
<b>Engine</b>				
DEUTZ diesel engine	Type	TD 2012 L 04	TCD 2012 L 04	
Design		Turbo/liquid-cooled/ high-pressure injection	Turbo/liquid-cooled/high-pressure injection and intercooler	
Maximum power (2000/25 EC)*	kW/hp	63.5/85	73/99	80/109
Speed rated	rpm	2,300		2,100
Cylinders/cubic capacity	No./cm <sup>3</sup>	4/4,038		
Bore/stroke	mm	101/126		
Torque rise	%	32	35	
Maximum torque	Nm	320	380	400
Constant torque range	rpm	1,400-1,600	1,400-1,700	1,400-1,800
Constant power range	rpm	1,800-2,300		
Engine oil change interval		500 h or every year**		
Oil quantity/tank capacity	l	9/160		
Use of bio-diesel		Suitable for unrestricted use of fuel in accordance with DIN EN 14214		
<b>Cab</b>				
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.		
<b>Electrical system</b>				
Voltage	V	12		
Battery	V/Ah/A	12/180/800		
<b>Chassis, brakes, steering</b>				
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		
<b>Working hydraulics</b>				
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

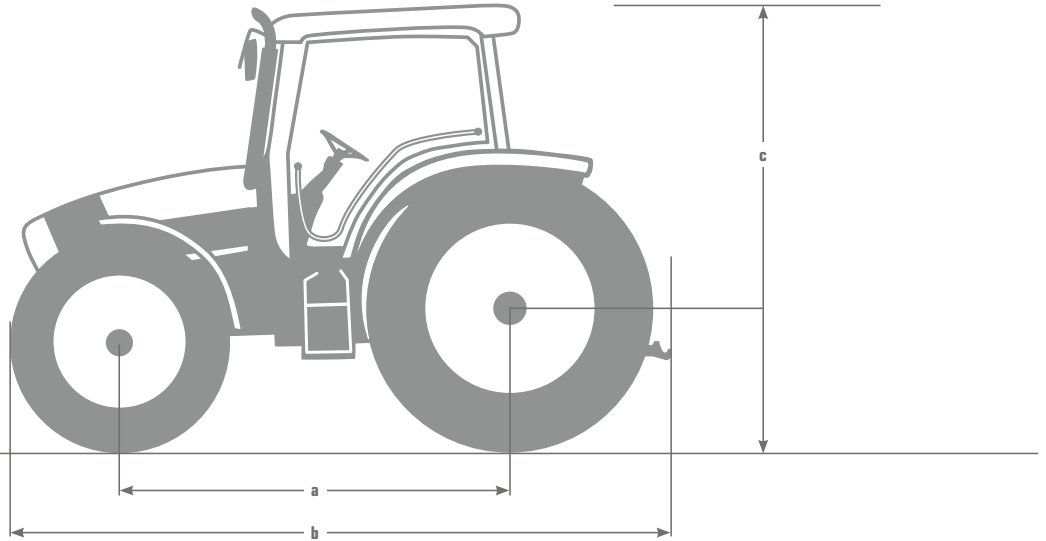
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<b>Powerlift</b>				
Category of 3-point hitch, rear	II/fast coupler optional			
Lifting force at rear	kg	4,300	5,100	5,300
Front powerlift, cat. II	Integrated with folding lower links on request			
Front powerlift lifting force	kg	1,800		
<b>Hydraulic remote valves</b>				
No. of remote valves	2/3 on request			
Non-pressurized recirculation	Standard			
Version	Double-acting, mechanical actuation			
<b>Transmission</b>				
Transmission	V/R	15/15 or 20/20 Synchroshift or 40/40 Duospeed	15/15 or 20/20 Synchroshift or 40/40 EcoSpeed on request	
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			
<b>Speeds of Synchroshift transmission 20/20 with 480/70 R34 tires, example for Agrofarm 410</b>				
	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	40.000
<b>Speeds of Duospeed powershift transmission 40/40 with 480/70 R34 tires, example for Agrofarm 420</b>				
	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
<b>Speeds of EcoSpeed-Lastschaltgetriebe 40/40 mit 480/70 R38 tires, example for Agrofarm 430</b>				
	S  (low/high)	 (low/high)	 (low/high)	 (low/high)
1	0.542/0.632	1.842/2.149	3.978/4.641	11.844/13.819
2	0.729/0.850	2.477/2.890	5.351/6.243	15.931/18.587
3	0.970/1.131	3.296/3.846	7.119/8.306	21.196/24.729
4	1.381/1.611	4.694/5.477	10.138/11.828	30.185/35.217
5	1.862/2.172	6.330/7.385	13.671/15.950	40.703/47.490*
<b>Front PTO</b>				
Actuation	Electrohydraulic shifting			
Speed	rpm	1,000		
Direction of rotation	Right in direction of travel			
<b>Rear PTO</b>				
Actuation	Electrohydraulic; in the cab and on the two rear mudguards			
Ground-speed PTO	With separate PTO stub on request			
PTO speeds	540/540 E/1,000/1,000 E			
Engine speed 540/540 E/1,000/1,000 E	rpm	2,080/1,630/2,280/1,780		

\* Limited to 40 kph

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



Type designation	410	420	430
<b>Dimensions in mm</b>			
<b>a</b> Wheel base	2,310	2,340	
<b>b</b> Length with/without lower link	4,060/3,850	4,160/3,950	
<b>c</b> Overall height without/with A/C*	2,560/2,730	2,638/2,808	
Track widths	Adjustable wheel rims, track widths between 1,500 and 2,100 mm possible depending on tires		
Minimum width	1,957 mm with 340/85 R 38 tires		
Ground clearance (with standard tires)	500	500	
<b>Weights in kg (40 km/h, cab)</b>			
<b>Unladen weight**</b>			
Front	1,610	1,620	1,650
Rear	2,060	2,390	2,450
Total	3,670	4,010	4,100
<b>Permissible laden weight</b>			
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 (75 kg) and a full fuel tank

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	Front	Rear	Front	Rear	Front	Rear
Option	320/85 R 24	420/85 R 30	–	–	–	–
Option	360/70 R 24	480/70 R 30	–	–	–	–
Option	320/85 R 28	340/85 R 38	320/85 R 28	340/85 R 38	320/85 R 28	340/85 R 38
Option	480/65 R 24	540/65 R 34	480/65 R 24	540/65 R 34	480/65 R 24	540/65 R 34
<b>Standard</b>	<b>420/70 R 24</b>	<b>480/70 R 34</b>	<b>420/70 R 24</b>	<b>480/70 R 34</b>	<b>420/70 R 24</b>	<b>480/70 R 34</b>
Option	380/85 R 24	420/85 R 34	380/85 R 24	420/85 R 34	380/85 R 24	420/85 R 34
Option	–	–	480/70 R 24	520/70 R 34	480/70 R 24	520/70 R 34
Option	–	–	420/85 R 24	460/85 R 34	420/85 R 24	460/85 R 34
Option	–	–	340/85 R 28	420/85 R 38	340/85 R 28	420/85 R 38
Option	–	–	440/65 R 28	540/65 R 38	440/65 R 28	540/65 R 38
Option	–	–	380/70 R 28	480/70 R 38	380/70 R 28	480/70 R 38

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

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