

AGROFARM

410 • 420 • 430



EVOLVING AGRICULTURE.

TECHNICAL DATA

AGROFARM 410 • 420 • 430

Type designation		410	420	430		
Engine						
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 ³		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			
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			
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

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Powerlift			
Category of 3-point hitch, rear		II/fast coupler optional	
Lifting force at rear	kg	4,300	5,100
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			
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	
Speeds of Synchroshift transmission 20/20 with 480/70 R34 tires, example for Agrofarm 410			
1	S		
	0.402	1.132	3.605
2	0.596	1.677	5.341
3	0.793	2.231	7.106
4	1.047	2.943	9.374
5	1.389	3.907	12.442
Speeds of Duospeed powershift transmission 40/40 with 480/70 R34 tires, example for Agrofarm 420			
1	S (low/high)	(low/high)	(low/high)
	0.464/0.542	1.579/1.842	3.410/3.978
2	0.625/0.729	2.123/2.477	4.586/5.351
3	0.831/0.970	2.825/3.296	6.102/7.119
4	1.183/1.381	4.023/4.694	8.689/10.138
5	1.596/1.862	5.425/6.330	11.717/13.671
Speeds of EcoSpeed-Lastschaltgetriebe 40/40 mit 480/70 R38 tires, example for Agrofarm 430			
1	S (low/high)	(low/high)	(low/high)
	0.542/0.632	1.842/2.149	3.978/4.641
2	0.729/0.850	2.477/2.890	5.351/6.243
3	0.970/1.131	3.296/3.846	7.119/8.306
4	1.381/1.611	4.694/5.477	10.138/11.828
5	1.862/2.172	6.330/7.385	13.671/15.950
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	

* Limited to 40 kph

THE AGROFARM: THE SIMPLEST WAY OF STAYING IN THE BLACK.

Comfortable, well-designed cab with tinted windows and roller sunblind ensures relaxed, non-fatiguing work. Ergonomic, easy-to-follow operation and clearly arranged switches and operating levers. Air conditioning available on request.

Angled, shaped bonnet ensures outstanding visibility, especially with front mounted implements. Safe working and maneuvering even in the smallest spaces.

The very latest economical DEUTZ engines boast electronic engine control, programmable speed, high reliability and uniform power delivery. Responsive and high torque engines with low fuel consumption.

The optional integrated front powerlift with a lifting force of up to 1,800 kg and the front PTO running at 1,000 rpm considerably widen the range of applications of the Agrofarm and are absolutely essential for a universal tractor.



Powerful hydraulics with lifting forces of up to 5,300 kg. Up to three additional remote valves simplify operation and widen the range of applications. Convenient operation using single levers.

Four PTO speeds. Economic and efficient in every application.

You have the choice: Modern Synchroshift transmission with 20/20 speeds, Duospeed powershift transmission with 40/40 speeds or the 40/40 ECO Speed transmission with reduced engine speed at 40 kph are available. An adjustable hydraulic Powershuttle comes as an option depending on equipment. Practical transmission technology with an outstanding range of speeds and low gearshift forces. It's easy to get into gear!

High maneuverability guaranteed by the large steering angle of 55°. With a minimum turning circle of just 3.55 m, the Agrofarm is easy to maneuver even in the narrowest of yards. Swiveling front mudguards available on request.



Approval for 100 % biodiesel: Saves costs and protects the environment.

Farm managers and service providers want to earn money. After all, work is only fun if it earns money. In pursuit of this aim, today's managers have to make far-reaching decisions which always directly affect the operating results of their agricultural businesses.

The process of deciding on a new machine is often a long one of collecting data and information and consulting friends, advisors and associations. Ultimately decisions are, however, always made for rational reasons, as all aspects which safeguard the success of the business must be taken into account. It is therefore advantageous if a decision can be made for a strong brand

with a rational tractor concept which concentrates on one thing – the success of its customers – by providing cost-effective technology which does justice to practical requirements. With a wealth of experience gained from more than 80 years of major technological leadership in the agricultural machinery industry, the Agrofarm is an example of such rational technology.

The universal tractor class

The new Agrofarm series has been specially designed for grassland, field maintenance and farmyard use and offers particular advantages in the compact medium class: Great flexibility, a low center of gravity and high maneuverability, clear sight lines, easy handling as well as maximum economic effi-

ciency and productivity, offering great value for money.

The Agrofarm is a universal tractor which comes with practical equipment. With economic, reliable DEUTZ engines fitted in the two available equipment variants, it is a match for the requirements of any farm, whether full-time

or part-time operations. The various cab roof options and the resulting low height make this series suitable for small building entrances. With a practical range of transmissions, a professional hydraulic system and unbeatably low operating and maintenance costs, the Agrofarm is a genuine all-round talent.