

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./cm³		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	5,300
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				
		S 		
1		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				
		S  (low/high)	 (low/high)	 (low/high)
1		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				
		S  (low/high)	 (low/high)	 (low/high)
1		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.