

AGROFARM G



DEUTZ-FAHR
410 G - 430 G





THE BEST SOLUTIONS FOR
MAXIMISED PROFITABILITY.

ECOLOGICAL.

The new Agrofarm G tractors are powered by four-cylinder SDF Series 1000 engines which comply with Euro 3A emissions regulations. These engines all feature turbo-intercooler forced induction and an electronic governor, and are compatible with up to 100% Bio-Diesel.

VERSATILE.

The integrated front lift (optional) with a lift capacity of up to 1,800 Kg and the 1,000 rpm front PTO enormously extend the range of roles that the Agrofarm can fulfil, giving it the versatility essential for any multifunctional tractor.

POWERFUL.

High power hydraulic system, with a lift capacity of up to 6,200 Kg. The system may be equipped with up to four auxiliary valves, for increased usability and even greater versatility to cater for a huge variety of applications. Individual control levers for outstanding practicality.

COMFORTABLE.

Designed to meet the highest standards, the extremely comfortable cab features curved glass areas and retractable sun visors to create the perfect working environment. The ergonomic controls and intelligent layout of the operating console ensure comfortable and simple use. Air conditioning is available as an

SAFE.

The sloped hood ensures superlative visibility, especially when working with front implements. Outstanding safety when working and manoeuvring, even in the tightest spaces.

EFFICIENT.

Four-speed PTO. Fuel economy and efficiency in all applications.
Maximum tyre sizes
• 600 / 65 R34 rear
• 540 / 65 R24 front (430 model)

MANOEUVRABLE.

Outstanding manoeuvrability with an impressive steering angle of 55°. Manoeuvring is child's play with the Agrofarm, even in the most restricted spaces of the farm. Front fenders are also available as an option.

PRACTICAL AND FUNCTIONAL.

A wide range of choices is offered: this tractor is available with a 20/20 synchromesh gearbox, the Powershift Hi-Lo 40/40 gearbox or the OVERSPEED 40/40 gearbox, which makes road speeds of up to 40 Km/h possible at low engine speeds. Depending on the specifications of the tractor, a Power shuttle with adjustable modulation control is also available. Practical, functional transmission technology offering an outstanding choice of ratios with effortless shifting action. The right gear for every job!

The main goal of any farmer and agricultural contractor is to increase profit margins. Seeing the positive results of your work is an essential factor in continuing to work with enthusiasm. To make this possible, today's farmers have to make major, far-reaching decisions that will directly influence the economic success and future of their farms. These decisions are often decided after time-consuming studies and analyses. It's not always easy to find the right solution. In the end, however, choices based on rational criteria and good common sense will always prove to be the best solution, and are the only way to ensure success in the future. So you can rest assured that making a rational choice from the solutions offered by an established brand such as DEUTZ-FAHR will steer you towards the ideal answer for your specific needs. Substance matters to DEUTZ-FAHR, which produces tractors built to maximise the profits of the customer with technological solutions offering excellent value for money and tailored to cater for the practical needs of the farm. Agrofarm G is the most recent product of this philosophy to offer practical, concrete solutions, which draws from over 80 years of technological supremacy in the agricultural

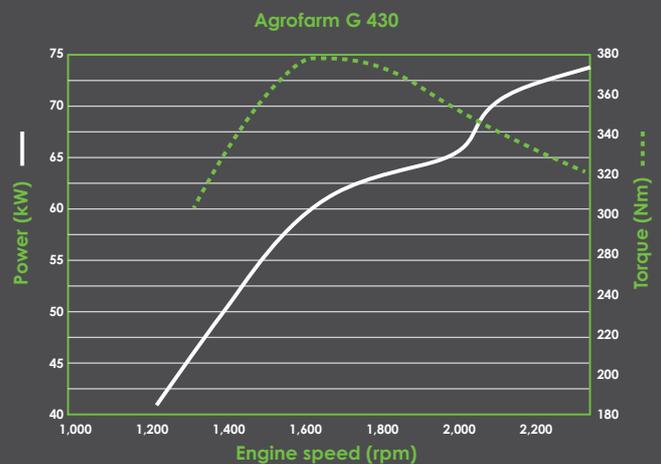
machinery industry. The new Agrofarm G tractor family has been designed specifically for ploughing, secondary tillage, hay-making and general utility work on the farm, and offers advantages unrivalled by any other tractor in the compact mid-size class - remarkable flexibility, low centre of gravity, outstanding manoeuvrability, unobstructed visibility, superior controllability, and maximised efficiency and productivity - at excellent value for money. The Agrofarm G is a multirole tractor boasting equipment conceived for superlative practicality. Powered by reliable, fuel-efficient DEUTZ engines, this tractor is the ideal choice for both full-time and occasional jobs for any farm. With a choice of cab roof configurations on offer making it possible to limit overall height, this tractor is particularly suitable for building openings with low headroom. Offered with a wide choice of functional transmissions and a professional hydraulic system, the Agrofarm G is a genuine universal tractor with affordable running and maintenance costs.



GREAT POWER AND
PERFORMANCE WITH
SUPERIOR FUEL ECONOMY.

ADVANTAGES.

- Constant power and torque.
- Impressive torque instantly available for excellent pull-away performance even when fully loaded.
- Reactive and flexible water cooled SDF turbodiesel engines with electronic engine governor and programmable engine speed control.
- Outstanding efficiency with individual cylinder Bosch high pressure injection pumps.
- Compatible with up to 100% biodiesel: for lower running costs while protecting



EFFICIENCY AND PRODUCTIVITY.

Outstanding efficiency and fuel economy. SDF 1000 Series engines are universally acclaimed for their excellent fuel economy. Today's farmer needs to be able to depend on powerful engines that are productive and fuel efficient in all situations. And this also applies to a compact tractor such as the Agrofarm G. The 1000 Series water cooled 4 cylinder engines with turbo-intercooler forced induction are extremely compact and ensure uniform power delivery with low fuel consumption. With an electronic engine governor system, programmable engine speeds and a state of the art, high performance fuel injection system, these engines are extremely fuel efficient and produce very low emissions. And coupled with a 160 litre fuel tank, these engines are the ideal choice for long working days.

VISCOSTATIC FAN

The latest evolution of this engine has been further optimised with the introduction of a new viscstatic proportional speed fan, which not only contributes to increasing engine efficiency but also reduces power absorption by an impressive 4 HP, maximising the performance and overall productivity of the machine.



HYDRAULIC TAPPETS.

Using hydraulic tappets (HRT - Hydraulic Roller Tappets) allows injection timing adjustment for facilitated starting even in particularly cold conditions. Up to water temperatures of 65°C, this timing system increases valve lift slightly to advance the injection timing. The HRT system offers many significant benefits, among which it eliminates the unpleasant white exhaust smoke typically produced by diesel engines under cold starting conditions, and ensures optimum performance from the moment the engine is started.



COMFORT AND
PRACTICALITY FOR A
RELAXING WORKING
ENVIRONMENT.



OUTSTANDING VISIBILITY.

These tractors are compact, with limited overall height and extraordinary manoeuvrability. Outstanding visibility is ensured in all directions by the sloped, curved engine hood, slender cab A-posts and the generous surface area of the windscreen and windows.



SUPERB VENTILATION CONTROL.

Class-beating ventilation control in all working conditions. External air is cleaned effectively by a cab air filter with a very large filtration area. In addition to the three-speed fan and effective heating system, all Agrofarm tractors may also be equipped with a powerful air conditioning system offered as an option.



THE PERFECT WORKING ENVIRONMENT.

Farmers can rest assured that choosing DEUTZ-FAHR means buying a tractor offering a practical and comfortable working environment. The intelligently designed cab of the Agrofarm G boasts an ergonomic layout conceived for maximum usability, and is finished with a visually pleasing choice of colours and high quality materials.

ERGONOMICS TAILORED TO YOUR NEEDS.

A work place conceived for comfort and total functionality: doors with a wide opening angle and sturdy non-slip steps ensure easy access to the cab. A spacious interior, with all the controls and instruments visible at a glance. Improved comfort, with an air suspension driver seat available as an option allowing a relaxed seating position so the driver can concentrate fully on the job in hand. Enhancing the comfort of the ergonomic driver zone is a soft-touch steering wheel. With adjustable reach and tilt (depending on version), the position of the steering wheel can be set ideally for the stature of the driver.

CLEAR, EASY TO READ INFORMATION.

An anti-glare display designed for maximum readability in all conditions provides the driver with comprehensive information on tractor speed and operating status in both analogue and digital format, and in real time. Parameters such as traveling speed, PTO speed, working hours and mileage are shown on an easy to read digital display.

EVERYTHING YOU NEED AT YOUR FINGERTIPS.

All the operator controls are situated within easy reach on the right hand side, next to the driver seat. The controls are grouped logically by function, and are easily identifiable so that even less experienced drivers can quickly and easily adapt to the functions of the tractor. All levers belonging to the same functional group of controls are the same colour, preventing the risk of confusion and contributing to the reliability and safety of the tractor. It just takes a few moments to learn everything you need to know about the Agrofarm.



THE PERFECT RATIO FOR
EVERY JOB.



THE POWERSHUTTLE HAS FIVE ADJUSTABLE MODULATION SETTINGS WHICH MAKE MANOEUVRING CONSIDERABLY EASIER.



THE RIGHT GEAR, ALWAYS.

The outstanding qualities of the reliable Agrofarm transmission are especially evident when operating the tractor. Three transmission configurations offered are: a syncromesh 15/15 speed gearbox (or 20/20 with supercreeper gear), a two stage (Hi-Lo) Powershift transmission with 30 forward and 30 reverse speeds (or 40 forward and 40 reverse speeds with supercreeper gear) and, for the Agrofarm 430G, an OVERSPEED transmission with 40 forward and 40 reverse speeds.

MECHANICAL OR HI-LO TRANSMISSION WITH A CHOICE OF SHUTTLE.

This recently released transmission offers 5 speeds in 4 different ranges (including a super-creeper range) and a mechanical or hydraulic power shuttle. These transmissions are available with 20 forward and 20 reverse speeds (or 40/40 with Hi-Lo), covering a wide range of gear ratios to cater perfectly for any job.

Extremely simple shift action: 40/40 speed Hi-Lo transmission.





OVERSPEED GEARBOX: LOWER FUEL CONSUMPTION FOR USE AT ROAD SPEEDS OF UP TO 40 KM/H.

The OVERSPEED gearbox, offered as an optional feature for the Agrofarm G, includes a 2-speed powershift transmission. With 40 forward and 40 reverse speeds, this transmission lets the driver select precisely the right gear ratio for any application. The setting selected is displayed on the instrument panel. This transmission gives the tractor a range of speeds from 540 m/h to 40 Km/h. 15 different gear ratios are available within the main working speed range from 4 to 15 Km/h. The maximum road speed is reached at low engine speeds, reducing both fuel consumption and noise.

CLUTCHLESS DIRECTIONAL CHANGE WITH THE POWERSHUTTLE.

Both transmissions are available with the optional Powershuttle, which has five different, adjustable modulation settings which allow the driver set and maintain a desired engine speed and perform directional change to suit the individual or operation (Faster or slower change). This makes working with a front loader and manoeuvres in general considerably easier. Powershuttle versions also feature a 'Comfort clutch' control button on the gear lever. Gears are selected by simply pressing the button, with up to 10 different gear ratios selectable without using the clutch pedal.

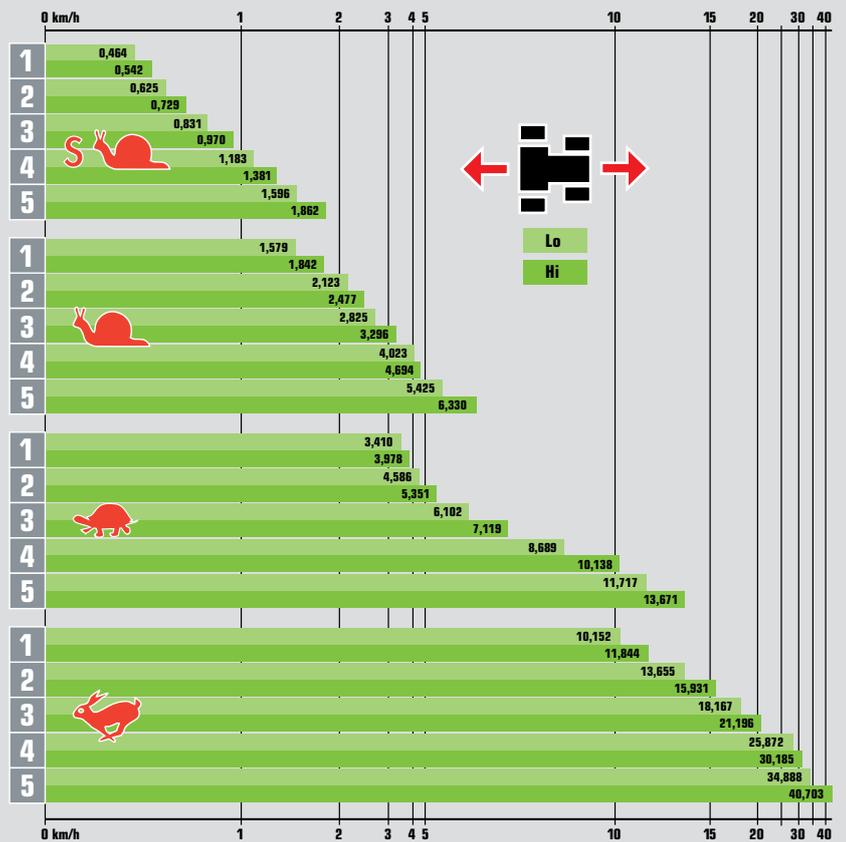


OUTSTANDING BRAKING SAFETY.

All Agrofarm models have independent oil bath disc brakes on both the front and rear wheels. These reliable, resilient and maintenance-free brakes ensure the safety needed for operating at high speeds. The Agrofarm 430G model with 40/40 OVERSPEED gearbox also features a hydraulically operated parking brake.



Total convenience, with four different PTO speeds pre-selectable directly from the cab.





POWER
AND VERSATILITY.



Easily accessible and identifiable hydraulic connectors. Up to four auxiliary valves available as optional.



Electronic rear lift controls.



Mechanical rear lift controls.



A MULTIROLE TRACTOR FOR ALL TERRAINS.

A hydraulic system with power you can depend on totally. Today, even a medium power output tractor needs to be multifunctional and capable of carrying out a wide range of jobs. With a pump output capacity of 54 l/min and an independent hydraulic steering circuit, the hydraulic system of the Agrofarm G is a match for any necessity. The Agrofarm G features a choice of mechanical or electronic rear lift control. The electronic control system is particularly effective and offers significant advantages for specific applications in every type of farm.

DISTRIBUTORS FOR EVERY NEED.

A hydraulic system that ensures that implements are used as effectively as possible. The Agrofarm G may be equipped with up to 3 auxiliary valves with an additional low flow valve option (6+2 ways). Three of these valves are controlled from three separate levers, while the fourth is controlled electrohydraulically, and flow control regulators are also fitted in certain versions. Oil is pumped to easily accessible valve couplings equipped with an oil recovery container and connectable even under pressure.

ELECTROHYDRAULICALLY OPERATED PTO.

All Agrofarm G tractors come with selectable speed PTOs as standard. The following combinations are available: 540/1000, or 540/540 E/1000/1000 E. PTO speeds may be preselected directly from the cab, while the selection is implemented electrohydraulically. To protect implements and the transmission, the PTO clutch has modulated engagement. DEUTZ-FAHR also offers a ground speed-synchronised PTO with a second independent output shaft used when towing driven axle trailers. The PTO may also be activated from both rear fenders of the tractor.

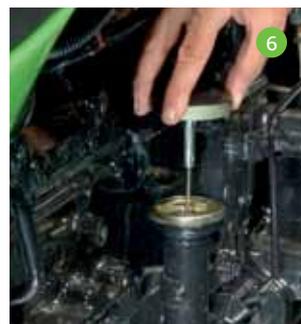


SIMPLE, QUICK
MAINTENANCE.



SIMPLICITY AND RATIONALITY.

- The engine and transmission oil radiators are equipped with metal mesh screens and are easy to clean.
- The coolant header tank is also easily accessible. The tank itself is transparent, making it visually simple and quick to check the fluid level.
- After removing the retainers, the engine air filter cartridge is simply pulled out laterally. The filter dust extraction valve significantly extend the maintenance intervals of this filter.
- After opening the engine hood, the fuel filter with water separator is accessible.
- The battery is also easily accessible without using tools.
- The oil filler tube and dipstick are very easy to reach. Extended maintenance intervals significantly reduce servicing and maintenance costs.
- Battery cut-off switch on right hand side.



QUICK AND SAFE DAILY MAINTENANCE.

With all the parts involved situated conveniently under the easily accessible rear engine cover, daily maintenance is simple and very quick. The rear cover is kept open by robust gas struts. All major components are easily accessible without using tools to undertake maintenance when necessary. The engine oil level can be inspected without even opening the engine hood.

EXTENDED MAINTENANCE INTERVALS.

The regular maintenance intervals for the engine are so far apart that all the operations necessary could almost be performed in a single session. The engine oil is only changed every 500 operating hours. The transmission oil and the relative filters are only changed every 1,200 hours. All of this, together with competitively priced replacement parts and consumables, contributes to keeping the running costs of Agrofarm G tractors incredibly low.

TECHNICAL DATA		AGROFARM G			
		410		430	
Version		2WD	DT	2WD	DT
ENGINE		SDF 1000.4 WTI EURO III		SDF 1000.4 WTI EURO III	
Cylinders/Capacity	No./cc	4/4,000		4/4,000	
Intake		Turbo intercooler		Turbo intercooler	
Homologated power at rated speed (2000/25/EC)	HP/kW	88/65		102/75	
Rated speed	rpm	2,300		2,300	
Max. torque	Nm	345		376	
Engine speed at max. torque	rpm	1,600		1,600	
Torque rise	%	28		21	
Cooling		liquid-oil			
Engine control		electronic			
Air filter		dry with safety cartridge and dust ejector			
Silencer		under-hood with exhaust on cab A-pillar			
Fuel tank capacity	litres	160			
DIMENSIONS and WEIGHTS (with rear tyres)		420/85R30		480/70R34	
Max. length without rear linkage	mm	4,080		4,150	
Width (min./max.)	mm	1,950 - 2,200		2,050 - 2,230	
Max height at ROPS	mm	2,710		2,790	
Max. height at cab	mm	2,740		2,790	
Ground clearance	mm	450		500	
Wheelbase	mm	2,350	2,370	2,400	2,380
Front track (min./max.)	mm	1,630 - 2,134		1,630 - 2,134	
Rear track (min./max.)	mm	1,594 - 2,130		1,594 - 2,130	
Weight with cab (min./max.)	Kg	3,257 - 3,480	3,567 - 4,120	3,637 - 3,860	4,067 - 4,620
Weight with ROPS	Kg	2,917 - 3,140	3,227 - 3,780	3,297-3,520	3,627-4,180
TRANSMISSION					
Gearbox clutch		Dry disc or wet multi-plate clutch			
5-speed synchronesh gearbox x 3 ranges		15 FWD +15 REV (min speed: 1.78 Km/h)			
		30 FWD +30 REV Hi-Lo (min speed: 1.53 Km/h)			
5-speed synchronesh gearbox x 4 ranges (with supercrawler gear)		20 FWD +20 REV (min speed: 0.52 km/h)			
		40 FWD +40 REV Hi-Lo (min speed: 0.45 Km/h)			
		40 FWD +40 REV Hi-Lo - OVERSPEED (min. speed: 0.45 km/h) (430)			
Max. speed	Km/h	40			
Shuttle		mechanical, synchronised			
		Hydraulic, wet clutch			
Rear differential lock		electrohydraulically operated			
Lubrication		forced circulation			
BRAKES AND STEERING					
Braking action		all-wheel, wet discs on all 4 wheels, hydrostatically operated			
Parking brake		independent or electrohydraulic (430)			
Trailer brake		hydraulic braking valve			
		air-braking system			
Hydrostatic steering		with independent pump			
Steering angle	2WD/ DT	65°/55°			
FRONT AXLE					
Drive engagement		mechanically operated			
		electrohydraulically operated			
Front differential lock		mechanical, electrohydraulically operated			
Front ballast		8 x 40 Kg suitcase ballast weights			
		400 Kg quick hitch ballast			

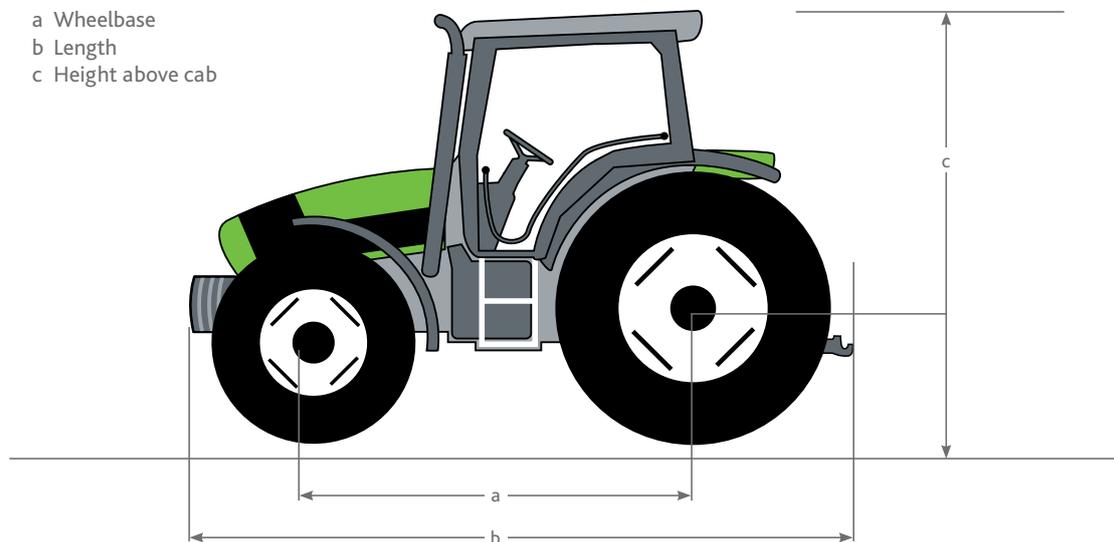
TECHNICAL DATA		AGROFARM G	
		410	430
FRONT PTO			
Clutch		multiplate wet clutch	
Speed	rpm	1000	
Operation		electrohydraulic with push-button control	
REAR PTO			
Clutch		multiplate wet clutch	
Speed	rpm	540-1000	
		540-540 ECO-1000-1000 ECO	
		synchronised PTO with independent output shaft	
Operation		electrohydraulic with push-button control	
HYDRAULIC LIFT			
Rear lift		mechanical / electronic (430)	
Max. lifting capacity	Kg	4,300 (410)	
		5,300 / 6,200 with assistor rams (430)	
Pump output	l/min.	56	
Auxiliary hydraulic valves	No. of ways	4 / 6 / 8	
3-point linkage (Link ends + top link)		fixed lower link	
		auto-coupling links	
RH tie-rod and top link		mechanically adjustable	
Front lift		double acting cylinders	
		original built in	
		maximum lifting capacity 1,800 kg	
DRIVING POSITION			
Platform		flat platform suspended on silent-bloc mounts	
		ROPS with two posts and sun shade	
Cab		original cab with 4 post structure, soundproofed, pressurised interior, opening windscreen, rear screen wiper, air filter, 4 work lights	
		"high visibility" roof option	
Cab climate control		air conditioning, with dust filter, ventilation, heating and forced recirculation	
Instrumentation		analogue - digital	
Driver's seat		mechanically adjustable with safety belt	
		air suspension with seat belt	

HI-LO GEARBOX, 40 FWD + 40 REV, SPEED IN KM/H AT ENGINE SPEED OF 2,300 RPM WITH 16.9 R34 REAR TYRES

1SR	1SR	2SR	2SR	3SR	3SR	4SR	1LL	4SR	5SR	1L	5SR	2LL	2L	3LL	3L	4LL	4L	1NL	5LL	1N	5L	2NL	2N	3NL	3N	4NL	1VL	4N	5NL	1V	5N	2VL	2V	3VL	3V	4VL	4V	5VL	5V
0.44	0.51	0.59	0.68	0.78	0.91	1.11	1.29	1.48	1.50	1.73	1.75	1.99	2.32	2.65	3.09	3.20	3.73	3.77	4.30	4.40	5.02	5.09	5.72	5.93	6.67	8.15	9.50	9.52	10.99	11.10	12.80	12.82	14.94	17.03	19.87	24.26	28.30	32.71	38.16
																														40.00*									

The above specifications refer to the highest available equipment package. For standard equipment and options refer to the current price list and ask your local dealer for details.

*** = MAXIMUM SPEED IN BOTH NORMAL AND ECONOMY ENGINE MODES (110 GS)
N.B.: SPEEDS IN REVERSE ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.



MODEL	410	430
Dimensions in mm		
a Wheelbase	2,370	2,380
b Max. length without rear links	4,080	4,150
c Overall height with cab	2,740	2,790
Track	Variable track wheels for a possible wheelbase range from 1,500 to 2,100 mm depending on tyres fitted	
Width (min./max.)	1,950-2,200	2,050-2,230
Ground clearance (with standard tyres)	500	
Weight in Kg (40 Km/h, cab)		
Unladen weight (min./max.)		
Front	1,494-1,860	1,603-1,960
Rear	2,073-2,260	2,464-2,660
Total	3,567-4,120	4,067-4,620
Max. permissible weight		
Max. load on front axle	3,000	
Max. load on rear axle	4,800	
Total permissible weight	7,200	

* For high visibility roof with 420 / 85 R30 rear tyres

TYRES	410		430	
	Front	Rear	Front	Rear
Four-wheel drive	320/85 R 24	420/85 R 30	380/85 R24	420/85 R34
Four-wheel drive	12.4 R24	16.9 R30	14.9 R24	16.9 R34
Four-wheel drive	360/70 R24	480/70 R30	420/70 R24	480/70 R34
Four-wheel drive	420/65 R24	540/65 R30	480/65 R24	540/65 R34
Four-wheel drive	340/85 R24	460/85 R30	280/85 R28	340/85 R38
Four-wheel drive	13.6 R24	18.4 R30	11.2 R28	13.6 R38
Four-wheel drive	380/70 R24	520/70 R30	340/85 R28	60/85 R34
Four-wheel drive	380/85 R24	420/85 R34	13.6 R28	18.4 R34
Four-wheel drive	14.9 R24	16.9 34	360/70 R28	520/70 R34
Four-wheel drive	420/70 R24	480/70 R34	420/85 R24	460/85 R34
Four-wheel drive	480/65 R24	540/65 R34	16.9 R24	18.6 R34
Four-wheel drive	280/85 R28	340/85 38	480/70 R24	520/70 R34
Four-wheel drive	11.2 R28	13.6 R38	340/85 R28	420/85 R38
Four-wheel drive	210/95 R32	230/95 R44	13.6 R28	16.9 R38
Four-wheel drive	7.50-16	420/85 R30	380/70 R28	480/70 R38
Four-wheel drive	-	-	440/65 R28	540/65 R3
Four-wheel drive	-	-	340/85 R28	380/85 R38
Four-wheel drive	-	-	13.6 R28	14.9 R38
Four-wheel drive	-	-	210/95 R32	230/95 R44
Four-wheel drive	-	-	210/95 R36	230/95 R48
Four-wheel drive (cab only)			12.4 R24	16.9 R30
Four-wheel drive (cab only)			320/85 R24	420/85 R30
Four-wheel drive (cab only)			360/70 R24	480/70 R30
Four-wheel drive (cab only)			540/65 R24	600/65 R34
Two-wheel drive	7.50-16	16.9 R30	7.50-18	420/85 R34
Two-wheel drive	7.50-20	340/85 R38	7.50-18	16.9 R34
Two-wheel drive	7.50-20	13.6 R38	9.00-16	340/85 R38
Two-wheel drive	9.00-16	420/85 R34	9.00-16	13.6 R38
Two-wheel drive	9.00-16	16.9 R34	11.00-16	460/85 R34
Two-wheel drive	11.00-16	16.9 R34	11.00-16	18.4 R34
Two-wheel drive	11.00-16	420/85 R34	11.00-16	480/70 R34
Two-wheel drive	11.00-16	13.6 R38	11.00-16	380/85 R38
Two-wheel drive	11.00-16	340/85 R38	11.00-16	14.9 R38
Two-wheel drive	11.00-16	480/70 R34	11.00-16	420/85 R38
Two-wheel drive	7.50-20	230/95 R44	11.00-16	16.9 R38
Two-wheel drive			11.00-16	13.6 R38
Two-wheel drive			11.00-16	340/85 R38
Two-wheel drive			11.00-16	16.9 R34
Two-wheel drive			11.00-16	420/85 R34
Two-wheel drive			7.50-20	230/95 R44
Two-wheel drive			7.50-20	230/95 R48
Two-wheel drive			7.50-16	270/95 R44

Technical data and pictures are indicative. Whilst making every effort to meet your requirements, DEUTZ-FAHR may make changes at any time and is not required to give notice thereof.

Dealer

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Deutz-Fahr recommends the use of original lubricants and coolants.



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