

# AGROFARM SERIES



DEUTZ-FAHR  
AGROFARM 85 - 100 - 115





THE BEST SOLUTIONS FOR  
MAXIMISED PROFITABILITY.



The Agrofarm Series provides the ideal answer to a wide variety of needs: offering productivity and versatility in the field, superior manoeuvrability for general farm tasks and speed for quick road transport applications. These tractors combine compact dimensions with comprehensive, high technology equipment to ensure outstanding comfort in all working conditions.



GREAT POWER AND  
PERFORMANCE WITH  
SUPERIOR FUEL ECONOMY.



### FUEL EFFICIENT ENGINE.

Agrofarm tractors are equipped with powerful four cylinder SDF 1000 series engines. These 4000 cm<sup>3</sup> capacity engines are offered in a choice of power outputs from 85-115hp.

The different power variants differ from one another in the solutions employed for the engine: the Agrofarm G 85 is naturally aspirated, the 100 is powered by a turbocharged unit and the 115 is turbocharged intercooled. Conceived specifically for agricultural use, SDF engines

offer plenty of torque right on tap even at low engine speeds, with unsurpassed fuel economy.

The modern high pressure injection system uses a single pump for each cylinder. This is a far more advanced solution than the rotary or in-line pumps used in conventional injection systems, offering performance and extraordinary reliability. In both models, maximum torque is already available at just 1600 rpm, for remarkable elasticity.

AGROFARM	85 ROPS	100 ROPS	115 ROPS/CAB
Maximum Power (HP)	85	96	115



COMFORT AND  
PRACTICALITY FOR A  
RELAXING WORKING  
ENVIRONMENT.



## OUTSTANDING VISIBILITY.

These tractors are extremely compact, with limited overall height and extraordinary manoeuvrability. Outstanding visibility is ensured in all directions by the sloped, curved engine hood and the 2-Post foldable ROPS frame.



## SAFETY

Sturdy slip-proof steps lead to the spacious operating platform.

## SUPERIOR COMFORT AND ERGONOMICS.

Agrofarm 85 and 100 are available as a ROPS platform, while the agrofarm 115 is available in either cab or ROPS. The cab is a state of the art high visibility cab with just four pillars. Standard is the high visibility glass roof which is ideal for front end loader work.

Agrofarm tractors boast a unique, distinctive design, attention to detail and superior ergonomics. The elements of the bodywork are attractively styled, while the modern look of the lights has a functional purpose to prevent interference with implements.

The control levers are rationally and intuitively organised, while the intelligent layout of the instrumentation lets the driver immediately and constantly monitor the main functions of the machine.

## CLEAR, EASY TO READ INFORMATION.

An anti-glare display conceived for maximised 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 vehicle 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 rationally by function, and are easily identifiable so that even less experienced drivers can quickly and easily gain confidence with 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.



THE PERFECT RATIO FOR  
EVERY JOB.



*SIMPLE OPERATION  
AND LAYOUT  
OF CONTROLS  
TO MASIMISE  
PRODUCTIVTY AND  
MINIMISE DOWNTIME.*



Hydraulic Powershuttle, perfectly suited to loader work.

### *EASY TO OPERATE TRANSMISSION.*

This recently evolved transmission offers five speeds in four different ranges (including a super-creeper range) with a Hi-Lo powershift in each of the five speeds. These transmissions are available with 40 forward and 40 reverse speed ratios offering plenty of speeds in either direction to cater for any job.

### *SAFETY AND RELIABILITY.*

All Agrofarm tractors are equipped with independent wet disc brakes on all four wheels. This solution ensures car-like stability even under the hardest braking. The brakes are extremely reliable and durable, and ensure an outstanding level of safety even at high speeds.



Extremely simple shift action: 40/40 speed transmission.



POWER  
AND VERSATILITY.



External lift controls make for easy coupling of implements.



Electrohydraulic engagement of rear PTO

### *SMOOTH POWER FOR MAXIMUM EFFICIENCY.*

The hydraulic systems of the Agrofarm series are equipped with a 56 l/min gear pump feeding an open centre circuit, to ensure complete compatibility even with implements with high hydraulic power demands. Another, separate pump is dedicated to the hydraulic steering system, ensuring extremely smooth, easy steering action even at low engine speeds and when the lift and auxiliary distributors are operated.

### *DISTRIBUTORS FOR EVERY NEED.*

A hydraulic system that ensures that implements are used as effectively as possible. The Agrofarm comes standard with two auxiliary valves on the 100, and three on the 115. Oil is pumped to easily accessible hydraulic connectors equipped with oil recovery bowls and connectable even under pressure.

### *ELECTROHYDRAULICALLY OPERATED PTO.*

All Agrofarm tractors come standard with a four speed 540/540 E/1,000/1,000 E. PTO. Speeds may be preselected directly from the operators seat, while the selection is engaged electrohydraulically. To protect implements and the transmission, the PTO clutch engages gradually. The PTO may also be activated from the exterior of the tractor from a control on the rear mudguard.



SIMPLE, QUICK  
MAINTENANCE.



## SIMPLICITY AND RATIONALITY.

- 1 The engine and transmission oil heat exchangers are equipped with metal mesh screens and are easy to clean.
- 2 The coolant fluid compensation tank is also easily accessible. The tank itself is transparent, making it simple and quick to check the fluid level.
- 3 After removing the retainers, the pick-up filter cartridge is simply pulled out laterally. The valve dust seals significantly extend the maintenance intervals of this filter.
- 4 After opening the engine hood, the fuel filter with water separator is accessible laterally.
- 5 The battery is also easily accessible without using tools.
- 6 The oil filler tube and dipstick are very easy to reach. Extended maintenance intervals significantly reduce servicing and maintenance costs.



## QUICK AND SAFE DAILY MAINTENANCE.

With all the parts involved situated conveniently under the easily accessible engine cover, daily maintenance is simple and very quick. The cover is kept open by practical gas struts. All major components and systems are easily accessible without using tools to facilitate 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, while the pressure relief valve only needs to be checked every 1,500 hours. The transmission oil and the relative filters are only changed every 1,200 hours. All of this, together with affordably priced replacement parts and consumables, contributes to keeping the running costs of Agrofarm tractors incredibly low.

## TECHNICAL DATA

## AGROFARM

		AGROFARM		
		85G	100G	115G
Platform		ROPS	ROPS	ROPS/CAB
<b>ENGINE</b>		<b>100.4 2V SERIES</b>		
Engine	Type	Tier 1	Tier 1	Tier 2
Cylinders/Capacity	No./cc	4/4,000		
Intake		Naturally Aspirated	Turbo	Turbo/Intercooler
Homologated power at rated speed (2000/25/EC)	HP/KW	85/62.5	96/70.6	115/84.5
Rated speed	rpm	2,000	2,350	2,300
Maximum torque	Nm		342	396
Engine speed at maximum torque	rpm		1,400-1,700	1,400-1,800
Torque rise	%		32	18
Cooling		Liquid-Oil		
Engine		Mechanical		
Air filter		Dry with safety cartridge and dust unloader		
Under-hood silencer		With exhaust on cab A-pillar		
Diesel tank capacity	litres	150		
<b>DIMENSIONS and WEIGHTS (with rear tyres)</b>		<b>42D/85R30</b>		<b>42D/85R30</b>
Maximum length without rear linkage	mm	2,790		
Maximum height at cab	mm	2,790		
Ground clearance	mm	500		
Wheelbase	mm	2,320		
Front track (minimum/maximum)	mm	1,630 / 2,030		
Rear track (minimum/maximum)	mm	1,602 / 2,002		
Weight with cab	Kg	3,457 / 3,680		
Weight with ROPS	Kg	3,317 / 3,540		

### REAR PTO

Clutch		multiplate wet clutch
Speed	rpm	540-540 ECO-1,000-1,000ECO synchronised PTO with independent output shaft electrohydraulic with push-button control
Operation		

### HYDRAULIC LEFT

Rear lift	Kg	3,250 (Agrofarm 100G)
Maximum lifting capacity	Kg	4,200 (Agrofarm 100G) 4,800 (Agrofarm 115G)
Pump delivery	L/min	56
Auxilliary hydraulic distributors	No. of ways	4 / 6
3-point linkage (coupling bars + top link)		Auto-hitch hook ends
RH tie-rod and top link		Mechanically adjustable

### DRIVING POSITION

Platform		Flat platform suspended on silent-block mounts, ROPS with two uprights and sun shade
Cab (115 only)		Original cab with 4 post structure, soundproofed, pressurised interior, opening windscreen, rear screen wiper, air filter, 4 work lights with "high visibility" roof
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

### TRANSMISSION

Gearbox clutch	Wet clutch PowerShuttle
HI-LO gearbox (2 power shift gears with 5 synchromesh speeds x 4 ranges (with supercreeper gear))	40 FWD + 40 REV
Max speed	40 Km/h
Shuttle	Hydraulic wet clutch
Rear differential lock	Mechanically operated electrohydraulic with push-button control
Lubrication	Forced circulation

### BRAKES AND STEERING

Braking action	All-wheel, wet discs on all 4 wheels, hydrostatically operated
Parking brake	Independent or electrohydraulic
Trailer table	Hydraulic braking valve, air-braking system
Hydrostatic steering	With independent pump
Steering angle	55°

### FRONT AXLE

Drive engagement	Mechanically operated, electrohydraulically operated
Front differential lock	100% Lockdwonelectrohydraulically operated
Front ballast	8 x 40 Kg suitcase ballast weights (optional)

### HI-LO GEARBOX, 40 FWD + 40 REV, SPEED IN KM/H AT ENGINE SPEED OF 2,300 RPM WITH 18.4R30 REAR TYRES

1SRL	1SR	2SRL	2SR	3SRL	3SR	4SRL	4SR	5SRL	5SR	1LL	1L	2LL	2L	3LL	3L	4LL	4L	4LL	5L	1NL	1N	2NL	2N	3NL	3N	4NL	4N	5NL	5N	1VL	1V	2VL	2V	3VL	3V	4VL	4V	5VL	5V
0.33	0.39	0.49	0.58	0.66	0.77	0.87	1.01	1.15	1.34	0.94	1.09	1.39	1.62	1.85	2.16	2.44	2.85	3.24	3.78	2.99	3.49	4.43	5.16	5.89	6.87	7.77	9.06	10.3	12.0	9.04	10.5	13.4	15.6	17.8	20.8	23.5	27.4	31.2	36.4

\*\*\* = TOP SPEED IN BOTH NORMAL AND ECONOMY ENGINE MODES (100)

N.B.: SPEEDS IN REVERSE ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS.

40.00



Note: Sun canopy is not standard equipment. Available as an optional extra

Dealer



**POWERFARMING**

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DEUTZ-FAHR is a brand of  SDF

