

Agrofarm SERIES



DEUTZ-FAHR
Agrofarm 85 - 100

DEUTZ  **FAHR**

Deutz-Fahr Agrofarm Series MULTI-PURPOSE TRACTOR.

The Agrofarm 85/100 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. All models are offered as both DT and GS variants: the main difference between these two variants is that the DT is equipped with a synchronised mechanical reverse shuttle, while the GS has an electrohydraulic reverse shuttle.



Fuel Efficient Engine

Agrofarm tractors are equipped with powerful four cylinder SDF Series 1000 engines. These 4000 cm³ capacity engines are offered in a choice of power outputs from 85 to 96 hp. The engines powering the Agrofarm 85 and 100 are Tier I compliant.

The two different power variants differ from one another in the solutions employed for the engine: the Agrofarm G 85 is powered by a naturally aspirated unit, the 100 is turbocharged. Conceived specifically for agricultural use, SDF engines match ready power delivery even at low engine speeds with superlative 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, and ensures superlative performance with extraordinary reliability. SDF engines also offer plenty of torque right on tap even at low engine speeds.

In both models, maximum torque is already available at just 1600 rpm, for remarkable elasticity.



Smooth Power for Maximum Efficiency

The hydraulic systems of the Agrofarm series are equipped with a 56 l/min pump that ensures complete compatibility even with implements with high hydraulic requirements.

Another, separate pump is dedicated to the hydraulic steering system, ensuring smooth power steering even at low engine speeds and when the lift and auxiliary distributor is active.



Transmission & PTO

The transmission offered with DT versions consists of a fully synchromesh five-speed, four-range gearbox with a synchronised mechanical reverse shuttle, offering a total of 20 forward and reverse speeds and a top speed of 40 km/h.

The configuration equipping GS versions uses a five-speed, four-range gearbox and equipped with the Powershift Hi-Lo gear, for an astonishing forty speeds in both directions. GS variants are also equipped as standard with the "Sense Clutch" electrohydraulic reverse power shuttle shuttle, which offers the driver a choice of five different settings to make the shuttle more or less aggressive.



5 l/min gear pump feeding an open centre circuit, to hydraulic power demands.

m, ensures extremely smooth, easy steering action when operated.

Superior Comfort & Ergonomics

All Agrofarm tractors are available as platform or cab variants. The latter come with a state of the art high visibility cab with just four pillars. The GS variant comes standard with the high visibility glass roof which is ideal for front end loader work.

Agrofarm tractors boast a unique, distinctive design, minute 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.



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 superlative levels of safety even at high speeds.

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DEALER:

TECHNICAL DATA		AGROFARM										
		85 G		100 G		115 G						
Version		2WD	DT	2WD	DT	2WD	DT	2WD	DT			
ENGINE												
Engine	type	Tier 1				Tier 2						
Cylinders/Capacity	No./cc	4/4,000										
Intake		Natural				Turbo						
Homologated power at rated speed (2000/25/EC)	HP/kW	85/62.5				96/70.6						
Rated speed	rpm	2,350				2,350						
Max. torque	Nm	257				342						
Engine speed at maximum torque	rpm	1,400-1,600				1,400-1,700						
Torque rise	%	18				32						
Cooling		Liquid-Oil										
Engine control		Mechanical										
Air filter		dry with safety cartridge and dust unloader										
Under-hood silencer		with vertical exhaust				with exhaust on cab A-pillar						
Diesel tank capacity	litres	150										
DIMENSIONS and WEIGHTS (with rear tyres)		420/85R30				420/85R30						
Max. length without rear linkage	mm	3,850				3,950						
Width (min./max.)	mm	2,050/2,458				2,050/2,458						
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	2,290	2,310	2,320	2,340	2,320	2,340					
Front track (min./max.)	mm	1,600-2,100	1,630/2,030	1,600-2,100	1,630/2,030	1,600-2,100	1,630/2,030					
Rear track (min./max.)	mm	1,602/2,002				1,602/2,002						
Weight with cab	Kg	3,046/3,260	3,731/4,100	3,457/3,680	3,907/4,460	3,457/3,680	4,107/4,660					
Weight with ROPS	Kg	2,906/3,120	3,391/3,760	3,317/3,540	3,567/4,120	3,317/3,540	3,567/4,120					
FRONT PTO												
Clutch		multiplate wet clutch										
Speed	rpm	1,000					hydrostatically operated dry plate clutch					
Operation		electrohydraulic with push-button control				12 FWD + 12 REV						
REAR PTO												
Clutch		multiplate wet clutch										
Speed	rpm	540-540 ECO-1,000-1,000 ECO										
Operation		synchronised PTO with independent output shaft				20 FWD + 20 REV						
HYDRAULIC LIFT												
Rear lift		mechanical										
Max. lifting capacity	Kg	2,150 (Agrofarm 85 g)					40 FWD + 40 REV					
		4,200 (Agrofarm 100 g)					30/40 Km/h					
		4,800 (Agrofarm 115 g)					mechanical synchronised or hydraulic wet clutch					
Pump delivery	l/min.	56					mechanically operated, electrohydraulic with push-button control					
Auxiliary hydraulic distributors	No.ofways	2 / 4 / 6					forced circulation					
3-point linkage (coupling bars + top link)		fixed lower link auto-hitch ends										
RH tie-rod and top link		mechanically adjustable										
Front lift		with standard integrated dual action cylinders, max. lifting capacity 1,850 Kg										
DRIVING POSITION												
Platform		flat platform suspended on silent-block mounts, ROPS with two uprights and sun shade										
Cab		original cab with 4 post structure, soundproofed, pressurised interior, opening windscreens, 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										
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			
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*												

For exact specifications please consult your local Deutz-Fahr dealer. The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.



P +61 (3) 8353 3600 F +61 (3) 8353 3699

W www.deutztractors.com.au

199 Australis Drive, Derrimut, Victoria 3030

