

AGROFARM G SERIES



DEUTZ-FAHR
Agrofarm G 85 - 100 - 115



Deutz-Fahr Agrofarm G Series MULTI-PURPOSE TRACTOR.

The Agrofarm G 85/100/115 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 110 hp. The engines powering the Agrofarm 85 and 100 are Tier I compliant whilst the 115 uses Tier 2 technology incorporating the engine speed programming function.

The three 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 and the 115 is turbocharged intercooled. 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.



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, ensures extremely smooth, easy steering action even at low engine speeds and when the lift and auxiliary distributors are operated.



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 15 forward and 15 reverse speeds and a top speed of 40 km/h.

The configuration equipping GS versions uses a five-speed, three-range gearbox and equipped with the Powershift Hi-Lo gear, for an astonishing 30 speeds in both directions. GS cab 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.



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.

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

DEUTZ-FAHR Agrofarm Series

DEALER:

TECHNICAL DATA		AGROFARM					
		85 G		100 G		115 G	
Version		2WD	DT	2WD	DT	2WD	DT
ENGINE		1000.4 2V SERIES					
Engine	type	Tier 1			Tier 2		
Cylinders/Capacity	No./cc	4/4,000					
Intake		Natural		Turbo		Turbo/Intercooler	
Homologated power at rated speed (2000/25/EC)	HP/kW	85/62.5		96/70.6		110/82.1	
Rated speed	rpm	2,350		2,350		2,300	
Max. torque	Nm	257		342		396	
Engine speed at maximum torque	rpm	1,400-1,600		1,400-1,700		1,400-1,800	
Torque rise	%	18		32		18	
Cooling		Liquid-Oil					
Engine control		Mechanical			Electronic		
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		420/85R30	
Max. length without rear linkage	mm	3,850		3,950		3,990	
Width (min./max.)	mm	2,050/2,458		2,050/2,458		2,050-2,458	
Max. height at ROPS	mm	2,710		2,790		2,790	
Max. height at cab	mm	2,740		2,790		2,790	
Ground clearance	mm	450		500		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		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
Operation	electrohydraulic with push-button control
REAR PTO	
Clutch	multiplate wet clutch
Speed	rpm 540-540 ECO-1,000-1,000ECO
Operation	synchronised PTO with independent output shaft electrohydraulic with push-button control
HYDRAULIC LIFT	
Rear lift	mechanical
Max. lifting capacity	Kg 2,150 (Agrofarm 85 g) 4,200 (Agrofarm 100 g) 4,800 (Agrofarm 115 g)
Pump delivery	l/min. 56
Auxiliary hydraulic distributors	No. of ways 2 / 4 / 6
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 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	hydrostatically operated dry plate clutch
Mechanical gearbox with 4 synchronmesh speeds x 3 ranges	12 FWD + 12 REV
Mechanical gearbox with 5 synchronmesh speeds x 3 ranges	15 FWD + 15 REV
Mechanical gearbox with 5 synchronmesh speeds x 4 ranges (with supercrawler gear)	20 FWD + 20 REV
HI-LO gearbox (2 power shift gears) with 5 synchronmesh speeds x 3 ranges	30 FWD + 30 REV
HI-LO gearbox (2 power shift gears) with 5 synchronmesh speeds x 4 ranges (with supercrawler gear)	40 FWD + 40 REV
Max. speed	30/40 Km/h
Shuttle	mechanical synchronised or 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 brake	hydraulic braking valve, air-braking system
Hydrostatic steering	with independent pump
Steering angle	2RM 4WD 85/100-115 65° - 50°/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

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

1SR	1SR	2SR	2SR	3SR	3SR	4SR	4SR	5SR	5SR	1LL	1L	2LL	2L	3LL	3L	4LL	4L	5LL	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.

SEPT2019