

# AGROLUX



DEUTZ-FAHR  
AGROLUX 85







THE BEST SOLUTIONS FOR  
MAXIMISED PROFITABILITY.



#### **ECOLOGICAL.**

The new Agrolux 85 tractors are powered by four-cylinder SDF Series 1000 engines which comply with Tier I emissions regulations. These are all mechanically governed, and are liquid/oil cooled.

#### **COMFORTABLE.**

Designed to meet the highest standards, the operators platform features a 2 post folding ROPS frame. The ergonomic controls and intelligent layout of the buttons are comfortable and simple to use.

#### **POWERFUL.**

High power hydraulic system, with a lift capacity of up to 4,300 Kg. The system may be equipped with up to two sets of remotes (single/double), for increased usability and even greater versatility to cater for a variety of applications. Individual control levers for unparalleled practicality.

#### **SAFE.**

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

#### **MANOEUVRABLE.**

Outstanding manoeuvrability with an impressive steering angle of 55°. Manoeuvring is child's play with the Agrolux, even in the most restricted spaces on the farm. Steering front mudguards are also standard fitment.

The main goal of any farmer 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 founded on time-consuming studies and analysis conducted with the support of consultants or category associations. 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. The Agrolux 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 Agrolux 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 its class - remarkable flexibility, low centre of gravity, outstanding manoeuvrability, broad, unobstructed visibility, superior controllability, and maximised efficiency and productivity - at excellent value for money. The Agrolux 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 foldable ROPS frame on offer making it possible to limit overall height, this tractor is particularly suitable for entrances with low headroom. Offered with a wide choice of functional transmissions and a professional hydraulic system, the Agrolux 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 on tap for excellent pull-away performance even when fully loaded.
- Reactive and flexible water cooled SDF diesel engines.
- Outstanding efficiency with individual cylinder Bosch high pressure injection pumps.



## 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 Agrolux. The 1000 Series water cooled 4 cylinder engines are extremely compact and ensure uniform power delivery with low fuel consumption. With 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 90 litre fuel tank, these engines are the ideal choice for long working days.

## 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 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.

## 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 flat operating platform 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: sturdy slip-proof steps ensure easy access. A spacious operating platform, with all the controls and instruments visible at a glance. Enhancing the comfort of the ergonomic driver zone is an adjustable steering wheel. With adjustable reach and rake (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 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. It just takes a few moments to learn everything you need to know about the Agrolux.





THE PERFECT RATIO FOR  
EVERY JOB.





THE MECHANICAL  
FORWARD/REVERSE  
SHUTTLE MAKES  
MANOEUVRING  
THE TRACTOR  
CONSIDERABLY EASIER.



Mechanical shuttle, perfectly suited to loader work.

### EASY TO OPERATE MECHANICAL TRANSMISSION.

This recently evolved transmission offers 5 speeds in 4 different ranges (including a super-creeper range) and a mechanical shuttle. These transmissions are available with 20 forward and 20 reverse speed ratios offering plenty of speeds in either direction to cater for any job.

### 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.



Extremely simple shift action: 20/20 speed transmission.



POWER  
AND VERSATILITY.





Easily accessible and identifiable hydraulic connectors. Up to two auxiliary valves available as standard.



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 delivery capacity of 56 l/min and a separate hydraulic steering circuit, the hydraulic system of the Agrolux is a match for any necessity. The Agrolux features a mechanical rear lift control.

### *DISTRIBUTORS FOR EVERY NEED.*

A hydraulic system that ensures that implements are used as effectively as possible. The Agrolux comes standard with 2 auxiliary valves. Oil is pumped to easily accessible hydraulic connectors equipped with oil recovery bowls and connectable even under pressure.

### *ELECTROHYDRAULICALLY OPERATED PTO.*

All Agrolux 85 tractors come standard with a 4 speed 540/540 E/1,000/1,000 E. PTO. Speeds may be preselected directly from the operators seat, while the selection is implemented electrohydraulically. To protect implements and the transmission, the PTO clutch engages gradually. DEUTZ-FAHR also offers a speed-synchronised PTO with a second independent output shaft for driven axle trailers. The PTO may also be activated from the exterior of the tractor from a control on the rear mudguard.



SIMPLE, QUICK  
MAINTENANCE.





### 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 Agrolux tractors incredibly low.

### 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.



TECHNICAL DATA		AGROLUX 85
ENGINE		DEUTZ 1000 SERIES
Cylinders/displacement	No./cm <sup>3</sup>	4/4,000
Aspiration		naturally aspirated
Homologated power at nominal engine speed (2000/25/EC)	HP/kW	85/62,5
Nominal engine speed	rpm	2,500
Max. torque	Nm	295
Max. torque engine speed	rpm	1,400
Cooling		liquid-oil
Engine control		mechanical
Air cleaner		dry with safety cartridge and dust ejector
Fuel tank capacity	litres	100
DIMENSIONS and WEIGHTS (with rear tyres)		420/85 R30
Max. length without link arms	mm	4,000
Width (min./max.)	mm	2,050 - 2,458
Max height at safety frame	mm	2,469
Height at engine hood	mm	1,410
Ground clearance	mm	450
Wheelbase	mm	2,350
Front track/Rear track (min./max.)	mm	1,600 - 2,100
Minimum steering radius without braking	mm	3,500
Weight with safety frame	Kg	3,200
Wheel equipment	Front/Rear	380/85 R24 420/85 R34
TRANSMISSION		
Gearbox clutch		heavy duty dry 12" cerametallic clutch
Mechanical gearbox, 5 synchronised gears x 4 ranges (with creeper)		20 FWD + 20 REV
Max. speed	km/h	40
Shuttle		mechanical synchronised
Rear differential lock		mechanically operated
Lubrication		forced
BRAKES AND STEERING		
Braking system		all wheel braking, discs in oil bath on all 4 wheels, hydrostatically operated
Parking brake		independent, with discs in oil bath
Hydrostatic steering		independent pump
Steering angle		55°
FRONT AXLE		
4WD engagement		mechanically operated
Front differential lock		mechanically operated
REAR PTO		
Clutch		multiple discs in oil bath
Speed	rpm	540-1000 synchronised PTO
Operation		independent hand lever
HYDRAULIC LIFT		
Rear power lift		mechanical
Maximum lifting capacity	kg	4,300
Pump delivery	l/min	56
Auxiliary hydraulic control valves	no. ways	4
3 point linkage (link arms and top link)		fixed hitching balls
RH link arm and top link		mechanical adjustment
DRIVING POSITION		
Platform		with tunnel suspended on silent-block
Safety frame		2 post ROPS foldable
Instruments		analogic
Drivers seat		mechanical adjustment, safety belt

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.






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

Dealer

To discover more please contact your dealer  
or visit [deutz-fahr.com](http://deutz-fahr.com)

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