

*Agrofarm*  
**AGROFARM  
85 • 100**



Printed in Germany



**EVOLVING AGRICULTURE.**

# THE AGROFARM: THE SIMPLEST WAY OF STAYING IN THE BLACK.

Comfortable, well-designed cab with tinted windows and roller sunblind ensures relaxed, fatigue free work. Ergonomic, easy-to-follow operation and clearly arranged switches and operating levers. Air conditioning available on request.

Angled, shaped cowling ensures outstanding field of view of the front implement area and the working implements. Safe working and manoeuvring even in the smallest spaces.

The very latest economical DEUTZ engines boast high reliability and uniform power development. Driving and working involves minimum gearshift changes, yet fuel consumption is low thanks to instant response with high torque reserves.

The optional integrated front powerlift with a lifting force of up to 1,800 kg and the front PTO running at 1,000 rpm considerably widens the range of applications of the Agrofarm and is absolutely essential for a universal tractor.

Powerful hydraulics with lifting forces of up to 6,200 kg. Up to three additional remote valves simplify operation and widen the range of applications. Convenient operation using single levers.

Up to four versatile PTO speeds. Fuel-efficient work in every application.

Modern Synchroshift transmission with 20/20 speeds or a Duospeed powershift transmission with 40/40 speeds available. A hydraulic Powershuttle comes as standard depending on equipment. Practical transmission technology with outstanding speed graduation and low gearshift forces. – It's easy to get into gear!

High manoeuvrability guaranteed by the large steering angle of 55°. With a minimum turning circle of just 3.55 m, the Agrofarm is easy to manoeuvre even in the narrowest of yards. Swiveling front mudguards available on request.



Approval for 100% bio-diesel: Saves costs and protects the environment.

**Farm managers and contractors want to earn money. After all, work is only fun if it earns money. In pursuit of this aim, today's managers have to make far-reaching decisions which always directly affect the operating results of their agricultural businesses.**

The process of deciding on a new machine is often a long one of collecting data and information and consulting friends, advisors and associations. Ultimately decisions are, however, always made for rational reasons, as all aspects which safeguard the success of the business must be taken into account. It is therefore advantageous if a decision can be made for a strong brand with a rational

tractor concept which concentrates on one thing – the success of you its customers – by providing cost effective technology which does justice to practical requirements. With a wealth of experience gained from more than 80 years of major technological leadership in the agricultural machinery industry, the Agrofarm is an example of such rational technology.

## The universal tractor class

The new Agrofarm series has been specially designed for grassland, field maintenance and farmyard use and offers particular advantages in the compact medium class: great flexibility, a low center of gravity and high manoeuvrability, clear sight lines, easy handling as well as maximum economic efficiency and productivity, offering great value for money.

The Agrofarm is a universal tractor which comes with practical equipment. With economic, reliable DEUTZ engines fitted in the two available equipment variants, it is a match for the requirements of any farm, whether full-time or part-time operations. The various cab roof options and the resulting low height make this series suitable for small building entrances and narrow gateways. With a practical range

of transmissions, a professional hydraulic system and unbeatably low operating and maintenance costs, the Agrofarm has genuine all-round versatility.

# GENEROUS WORKING CONDITIONS.

## ADVANTAGES

- ▶ Ergonomic and spacious cab with excellent panoramic view
- ▶ Operating levers within easy reach
- ▶ Efficient heating and ventilation
- ▶ Air conditioning system on request
- ▶ Low height to suit low building entrances
- ▶ Excellent view of front-mounted implements with tailored, sloping engine cowling
- ▶ Open-view roof simplifies front loader work
- ▶ Platform tractor with safe protective roof



**Today's farmers can rely on DEUTZ-FAHR to give them a comfortable workplace in every tractor class. The Agrofarm also boasts a generously configured compact cab and ergonomic operation – suitably designed in friendly colors and high-quality materials.**

An exemplary workplace: Safe cab mounting and dismantling with a large door opening angle and anti-slip, solid steps. Excellent freedom of movement and clear view of all important operating and control elements. Additional comfort with optional air-sprung driver's seat for relaxed and concentrated work. This ergonomic driver's workplace also natu-

rally includes the softly padded, easy to reach steering wheel. Adjustable in tilt and reach, it can be optimally adjusted to the height of any driver.

### Well informed

The clear, non-glare information display provides constant information on all relevant values and operating statuses of the tractor in both analog and digital form. Speed, PTO speed, operating hours and mileage are shown on an easy-to-read digital display.

### Everything in sight

The tractors are characterized by their

compact, low design and excellent manoeuvrability. Good lines of sight in all directions due to the shaped, sloping cowling and narrow cab struts as well as large glazed areas.

### Everything at hand

All operator elements are conveniently located on the right next to the driver's seat. They are arranged in functional groups and can be operated almost intuitively after even just a short time. All the levers of a functional group are the same color, eliminating the possibility of confusion and enhancing operational reliability. It doesn't take long to get a grip on the Agrofarm.

### First-class A/C

The best air conditioning in all weather conditions. The outside air is effectively filtered over a large surface. In addition to the three-stage fresh air blower and the efficient hot water heating system, all Agrofarm tractors can optionally be fitted with a CFC-free A/C system.

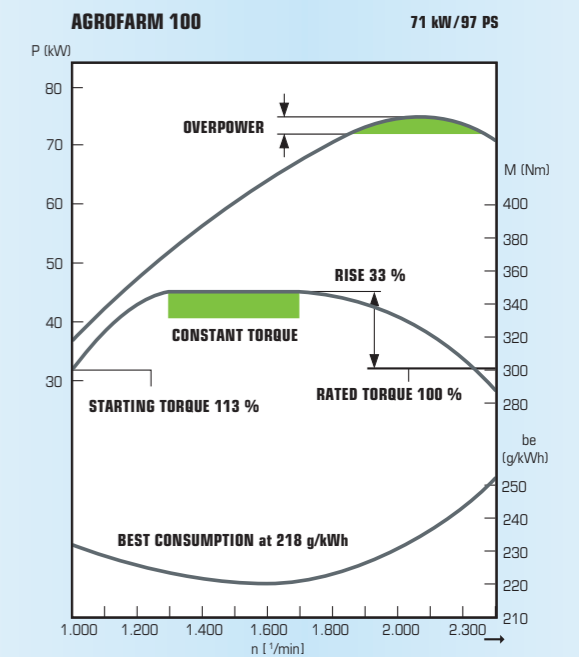
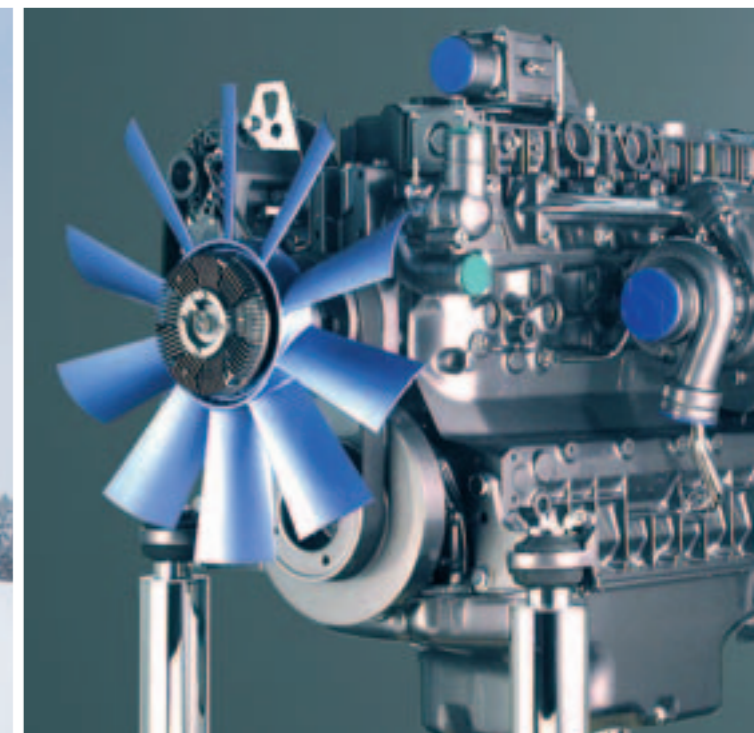
# HIGH-TECH UNDER THE HOOD.

## ADVANTAGES

- ▶ Constant power and constant torque
- ▶ High torque rises and high starting torques for constant power and reliable starts even when under load
- ▶ Powerful and elastic liquid-cooled DEUTZ turbo diesel engines
- ▶ High efficiency with Bosch single high-pressure injection pumps
- ▶ Approval for 100% bio-diesel: Saves costs and protects the environment



Approval for 100% bio-diesel: Saves costs and protects the environment.



**Work hard and save fuel. The DEUTZ engines live up to their economic reputation. After all, as modern farmers you expect fuel-efficient, high-propulsion engines even in compact tractors.**

The modern liquid cooled, 4 cylinder 2012 series engines boast a compact design, uniform power development and low fuel consumption. Fitted with a modern high-pressure injection system with injection pressures of up to 1,400 bar, they deliver

efficient fuel utilization, enormous efficiency and excellent emissions values. And, thanks to the 160 litre fuel tank, they are more than a match for long working days.

### High torque and constant power

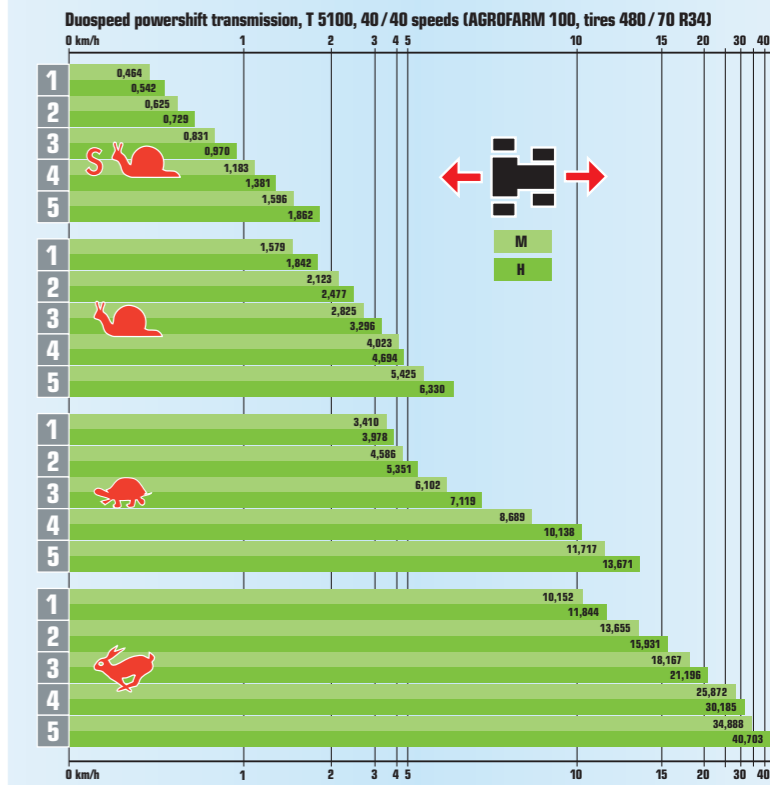
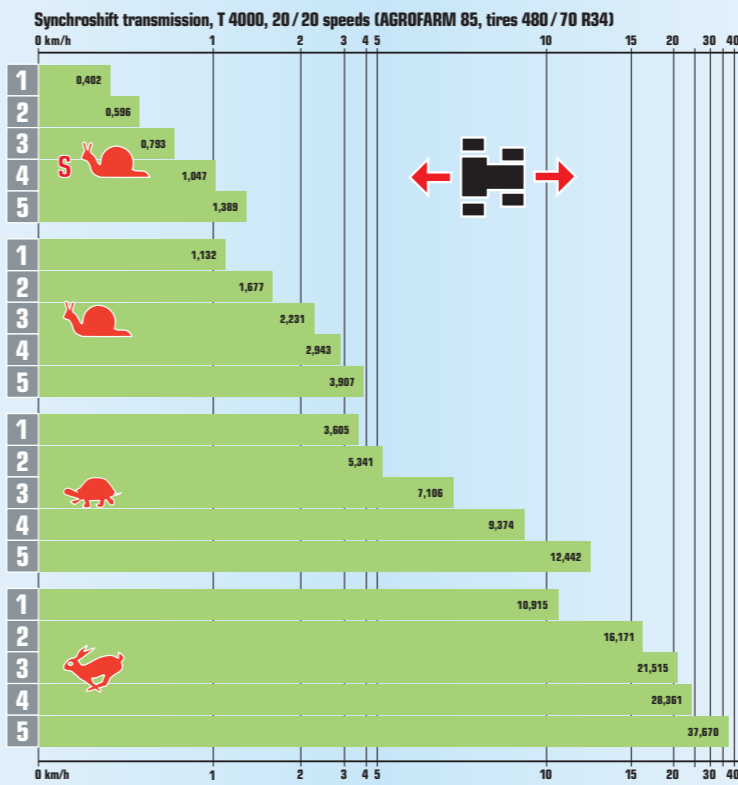
The engines are characterized by high torque at low engine speeds. That means the Agrofarm 100 reaches its maximum torque at just 1,250rpm and keeps it constant up to a speed of 1,700rpm, allowing the dri-

ver to concentrate on his work with minimal gearshift changes. Maximum power is reached at just 2,000rpm. High starting torques of up to 124% of the torque at rated power ensure that the tractor pulls off reliably with heavy loads, even on hills.

# THE RIGHT SPEED FOR EVERY ACTIVITY.

## ADVANTAGES

- ▶ Hydraulic Powershuttle or mechanical reversing transmission
- ▶ Low gearshifting forces
- ▶ Maintenance-free long life clutches for the Powershuttle
- ▶ Practical speed graduation
- ▶ True four-wheel braking for ultra-sure reliable braking
- ▶ Two practical transmission versions



**Robust transmission enables easy gearshifts. The Agrofarm's reliable transmission comes to the fore particularly when the vehicle is used as a grassland tractor. Two transmissions with forced-feed lubrication are available. A Synchroshift transmission with 20 forward speeds and 20 reverse speeds and a Duospeed powershift transmission offer gearshift comfort and practical speed graduation.**

**T 4000/T 5000 Synchroshift transmission**  
The newly developed Synchroshift transmission comes with 5 speeds and 4 groups (including creeper speed group) as well as mechanical or hydraulic F/R shifting. It is available with 20/20 speeds, ensuring correspondingly narrow and practical speed graduation.

**T 4100/T 5100 Duospeed transmission**  
The optional Duospeed transmission has two powershift stages. With 40 forward and 40 reverse speeds, it offers the right speed for any application. The powershift stage currently activated is displayed on the dashboard. The speed ranges from 320 m/h to 40 km/h. In the main working range from 4 to 15 km/h, 15 speeds can be selected.

**Clutch-free Powershuttle shifting**  
Both transmissions can be fitted with an optional hydraulic Powershuttle, enabling the driver to change the direction of travel without actuating the clutch. This makes front loader work and manoeuvring child's play. The Powershuttle versions also come with a comfort clutch on the shifting lever. You disengage the clutch with a press of a button and shift

up to 10 speeds without the clutch pedal being pressed.

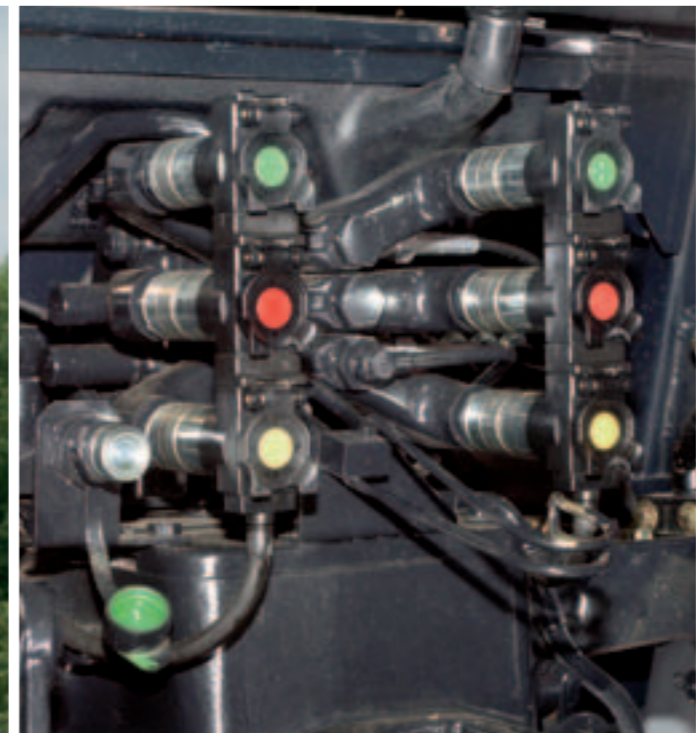
**Safe braking as you please**  
All Agrofarm models have independent oil-immersed disk brakes on the front and rear axles. These true 4-wheel brakes ensure that the braking power is transferred effectively to the road with a low pedal pressure. The durable, maintenance-free

long-life brakes also ensure the necessary safety at high speeds. Individual wheel steering brakes or side brakes are available to the driver in order to reduce the turning circle.

# POWERFUL HYDRAULICS FOR TOUGH JOBS.

## ADVANTAGES

- ▶ Mechanical lower link hydraulic control
- ▶ Single lever for additional remote valves
- ▶ PTO actuated from both rear mudguards
- ▶ Integrated front powerlift with single or double action upon request
- ▶ Electrohydraulically operated PTOs
- ▶ 4 PTO speeds: 540/540E and 1,000/1,000E
- ▶ Ground-speed PTO for special applications upon request



**Hydraulic power you can rely on. That's because these days even a compact tractor has to handle a wide variety of jobs. With a pump capacity of 54 l/min and a separate hydraulic circuit for the steering, the Agrofarm's hydraulic system is a match for any requirement.**

The Agrofarm is supplied with a mechanical lower link control as standard. The mechanical control is particularly efficient and offers application-specific advantages for all farms.

### Remote valves for all demands

The hydraulic system ensures practical implement use. Up to three precision-metered, double-acting additional remote valves can be supplied for the Agrofarm. These are operated by single levers. The oil then flows to easily accessible hydrau-

lic connections, which can be coupled under pressure and are provided with leakage oil tanks.

### Electrohydraulically operated PTOs

All Agrofarm tractors come with comprehensive PTO equipment as standard.

The following combinations are available: 540/1,000 or 540/540E/1,000/1,000E. The required speeds are preselected in the cab and activated electrohydraulically. To protect the implements and the transmission train, PTO start-up is softly modulated. DEUTZ-FAHR also offers

a ground-speed PTO with a second PTO stub for trailers with driven axles. The PTO can also be actuated from buttons on both rear fenders.

# MAY WE OFFER YOU ANYTHING ELSE?



1



2



3



4



5



6



7



8

Although the standard equipment of the Agrofarm is already extremely comprehensive, it can still be enhanced. DEUTZ-FAHR supplies a coordinated range of additional and special equipment for all ranges and assemblies. Contact your DEUTZ-FAHR dealer. They will be pleased to be of assistance.

**1 Front powerlift & front PTO:** The Agrofarm unfolds its true versatile potential when equipped with mounted front implements. The integrated front powerlift boasts a lifting force of 1,800 kg, while the front PTO delivers a speed of 1,000 rpm.

**2 Compressed air braking system:** Indispensable for road transports with trailers. In addition to compressed air braking systems, hydraulic trailer braking systems complying with a variety of standards are also available.

**3 Air conditioning system:** Available on request.

**4 Open-view roof:** The comfort cab becomes a true open-view cab giving the best view of the front loader. The elevated front loader is easily visible through the tilting transparent roof hatch.

**5 Beacon lamp:** The beacon lamp, available as a factory fitting and attached to a hinged arm on the cab roof, makes an active contribution to road safety.

**6 Ground-speed PTO:** A ground-speed PTO is available in addition to the standard PTO equipment.

**7 Powershuttle:** Standard fitting depending on the equipment version.

**8 Platform tractor:** Not all farms require a tractor with cab. The platform tractor with protective roof can offer a simple, low-cost but comfortable solution.

**9 Working headlamps:** Additional working headlamps provide optimal illumination of the working area at the front.

**10 Ballast carrier and front weights:** Front weight carriers and ballast weights guarantee optimal weight distribution for every application.

**11 Air-sprung seat system:** For your comfort and health on long working days.

**12 Hydraulic system:** Powerful hydraulics with a delivery rate of 54 l/min and a separate hydraulic circuit for steering. With 3 remote valves on request.



9



10



11



12

# NO NEED FOR LONG MAINTENANCE.

## ADVANTAGES

- ▶ Tool-free access to all important maintenance points
- ▶ Long maintenance intervals for oil and filters slash operating costs
- ▶ Engine oil change every 500 hours
- ▶ Low costs for wearing and maintenance parts
- ▶ Transmission and hydraulic oil change every 1,200 hours
- ▶ Valve adjustment every 1,500 hours
- ▶ Easy cleaning of the cooling system



### Fast, daily maintenance

Daily maintenance is quick and easy and can be completed in next to no time simply by folding back the cowling which opens to the rear. Pressure-actuated springs keep the cowling in the open position. All important components and assemblies can be reached straightforwardly for maintenance without the need for tools. The engine oil level can be checked without opening the cowling.

### Long maintenance intervals

The regular maintenance intervals for the engine are so long they are almost unique. The engine oil only has to be changed every 500 hours of operation, while the val-

ve setting only has to be checked every 1,500 hours. The transmission oil and its filters do not need to be replaced until after 1,000 hours. That – and the low cost of wearing and maintenance parts – means that the operating costs for an Agrofarm are satisfyingly low.

**1 The engine and transmission oil coolers** are easy to reach and easy to clean.

**2 The equalizing tank** for the coolant is also easy to access. The liquid level can be conveniently checked through the transparent tank.

**3 The cartridge of the intake air filter** is easily pulled to the side after the clips have been detached. The ejector dust seal keeps the maintenance intervals for the filter very long.

**4 The fuel filters** with water separator can be accessed from the side after opening the engine cowling.

**5 The battery** can also be accessed easily without the use of tools.

**6 The oil filler neck and dip stick** are very easy to reach. Long maintenance intervals cut the operating costs for servicing and maintenance.



# SURE AND SAFE WITH ORIGINAL DEUTZ-FAHR.



## Original service is wise.

Without doubt – many can repair much. But only your DEUTZ-FAHR specialist dealer knows your tractor inside and out. Only your dealer has regularly trained mechanics and experts on call. Only dealers have the special tools and diagnostic equipment required for competent diagnosis and inspection. All this gives you peace of mind – without doubt.

## Original parts make good sense.

As you placed your trust in the original tractor, we recommend you use original parts when required. Only these comply with the high quality and safety standards of DEUTZ-FAHR and ensure correct function and operation without problems – guaranteed.



**Have a word with your DEUTZ-FAHR dealer – he will be pleased to answer your questions:**

www.trio-beom.de SDFE201-067 Leo 0907

This printed material is designed for international use. The illustrations it contains show both special equipment and incomplete standard equipment. The availability of some illustrated models, standard and special equipment can vary from country to country. Only the dealer's price list stipulates whether such illustrated equipment is included as a standard feature or whether it is a special accessory. In addition the illustrated mounted implements and special accessories may not always comply with the respective statutory regulations. It is the responsibility of the customer – after consultation with the dealer – to verify this, taking the operating instructions into account. All information and illustrations in this brochure are subject to correction; errors excepted. Furthermore all information contained in this brochure is not binding and is subject to modifications of a technical and commercial nature or those resulting from statutory regulations. No claims whatsoever can be derived from these. SAME DEUTZ-FAHR DEUTSCHLAND GmbH reserves the right to make any changes to the design and technical construction and also the scope of standard equipment at any time and without prior notice. Order no.: 473-10-01



**SAME DEUTZ-FAHR**

SAME DEUTZ-FAHR DEUTSCHLAND GmbH, D-89415 Lauingen, [www.deutz-fahr.de](http://www.deutz-fahr.de)

Printed in Germany



**EVOLVING AGRICULTURE.**