

# AGROPLUS



EVOLVING AGRICULTURE.

# THE NEW AGROPLUS COMPA

The front and rear windows are openable.

A hydraulic shuttle and Stop & Go feature are available as options.

The one-piece hood is easy to open and provides good access to all maintenance points.

The economical yet powerful 3- and 4-cylinder turbodiesel engines are equipped with intercooler as standard, from the Agropius 320 model upwards.

The integrated front lift, with lifting capacity of 1750 kg, and the front PTO, both available as options, extends the flexibility of the Agropius.

Low centre of gravity: maximum stability on steep and mountainous terrain.

# CT, THE COMPLETE PACKAGE.



The high-visibility roof ensures an excellent view of the front loader and is equipped with a sun blind.

The comfortable, spacious, 4-post cab provides unrivalled visibility in all directions. The wide-opening doors ensure ease of access.

The hydraulic system is designed for the most demanding jobs: with a lifting capacity of 3,600 kg and a flow rate of 54 l/min., it always has plenty of power in reserve.

The range of transmissions is highly practical, whether you opt for the 30/15 gearbox with Hi-Lo and creep speed or the 45/45 three-stage Powershift gearbox. Both are available with Overspeed, which gives a top speed of 40 km/h even in economy mode. Three-speed PTO 540/ 540 E/1000 rpm.

Oil-immersed disc brakes on all four wheels as standard: efficient braking in all conditions.

Ideal tyre combinations for all types of work.

# A WIDE RANGE OF APPLICATIONS.



**EVEN THE MOST COMPACT TRACTORS  
NEED TO BE ADAPTABLE TO A WIDE  
RANGE OF APPLICATIONS.  
THAT'S WHY THE THREE-SPEED PTO IS  
STANDARD EQUIPMENT.**

DEUTZ-FAHR knows its customers well, and that's why it builds reliable tractors like the Agropius models, equipped as standard with a wide range of accessories for all agricultural work. Rear-wheel or four-wheel drive, turbodiesel engines offering low fuel consumption thanks to

a high-pressure injection system (and intercooler as standard from the Agropius 320 upwards). Selection of cab and roof options. Three-speed PTO (540, 540 E and 1000 rpm). Practical range of transmissions, powerful hydraulic system with lifting capacity of up to 3,600 kg, three

auxiliary hydraulic control valves, all-wheel braking, a vast range of tyre options and much more besides.

The range of applications of the Agropius can be extended further by choosing from the comprehensive list of optional equipment: Overspeed gearbox offering

## ADVANTAGES

- An agile, compact, multi-purpose tractor, ideal for small and medium farms.
- Optimum weight distribution (45:55%), low unladen weight, low centre of gravity and high effective load
- Hydraulic Powershuttle and Stop & Go feature available as options
- Liquid-cooled, 3- and 4-cylinder engines, with low fuel consumption and power output from 46 - 70 kW (62 - 95 HP)
- 30/15 gearbox or 45 / 45, three-stage, Powershift gearbox (optional)
- Overspeed gearbox, offering 40 km/h in economy mode, available as an option
- Powerful hydraulic system with lifting capacity of 3,600 kg
- Three-speed PTO (540/540 E/1000), with optional front or ground-speed PTO



Low headroom is no problem for the Agroplus, thanks to its height of just 2.38 m (depending on model and tyres).



The Agroplus is the ideal machine for public sector applications too, thanks to its integrated front hitch, powerful main hydraulic system, biodiesel-compatible engine and reliable all-wheel braking.

40 km/h at low engine rpm, three-stage Powershift gearbox with 45 forward and reverse gears.

Hydraulic Powershuttle for changing direction without de-clutching, Stop & Go system for quick and easy control of trac-

tor movement, powerful front lift, and a number of other options.

Customise your Agroplus according to your own specific operating requirements, and start benefiting straight away from the ease of use and abundant power re-

serves of this small, compact tractor.

**BUILT TO WORK.**



## ADVANTAGES

- ▶ Cab with high levels of comfort, wide-opening access and clear digital instrumentation
- ▶ Low noise levels
- ▶ Optional high-visibility roof
- ▶ Excellent all-round visibility of the working area
- ▶ Logical, ergonomic control layout to reduce fatigue
- ▶ Low height takes you under obstacles that leave taller tractors stuck
- ▶ Efficient heating and ventilation system
- ▶ Air conditioning (optional)
- ▶ Excellent all-round visibility with new 4-post cab



The new 4-post cab offers unrivalled visibility in every direction.



The front loader is totally visible through the high-visibility roof.



The central instrument panel shows all the data the operator needs.

### Space and comfort

The Agroplus shows how even the smallest tractors can be comfortable. The spacious cab with flat platform and wide-opening doors accommodates the operator in the utmost comfort. The exhaust pipe located on the front post is designed to leave visibility of the working area completely unobstructed. The optional high-visibility roof is ideal for use with DEUTZ-FAHR front loaders as it offers unrivalled visibility of the loader attachment.

Powerful heating and ventilation system, excellent visibility of all implements, open-

able front and rear windscreen. All versions with cab can also be equipped with air conditioning.

### Reduced height

Low buildings and entrances are no problem for Agroplus. With a height of just 2.38 m (Agroplus 310 depending on tyres and roof type) it can go practically anywhere. A cab is not always essential, however. That's why Agroplus is also available in a platform version with ROPS, and can be used simply as a tractor for livestock buildings or greenhouses.

### The operator is comfortably seated

The steering wheel is adjustable for height and reach, to meet the needs of different drivers. Agroplus is also available, with an air suspension seat option. All the main operating controls are laid out in functional groups on a readily accessible control panel on the right-hand console.

# AN ENGINE YOU CAN COUNT ON.



**EXCELLENT STABILITY, OPTIMUM WEIGHT DISTRIBUTION AND LOW CENTRE OF GRAVITY. AGROPLUS ENSURES MAXIMUM SAFETY EVEN ON MOUNTAINOUS TERRAIN.**

## **Small but powerful**

Efficient performance, low fuel consumption and maximum reliability are the hallmark of the modern TIER III diesel engines used in the Agropius range.

As well as boasting high-pressure direct injection with single injection pumps (in-

jection pressure 1,400 Bar) and specially designed 5-hole injectors, Agropius's engines stand out for their low fuel consumption and high efficiency.

And with a 100-litre fuel tank, you can work tirelessly all day long without refueling.

## **Maximum propulsion**

Maximum engine torque is reached at 1,600 rpm, about 70% of the rated speed of 2,200 rpm. This means that, regardless of model, there is always plenty of power available even in variable operating conditions, also reducing fuel con-

## ADVANTAGES

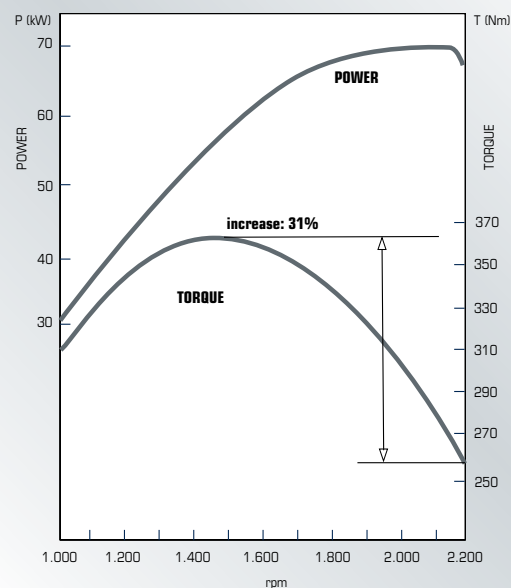
- ▶ Powerful, economical and reliable, liquid-cooled, 3- and 4-cylinder TIER III turbodiesel engines with outputs of 46 to 70 kW (62 - 95 HP)
- ▶ Class-leading fuel efficiency
- ▶ Low running costs thanks to long maintenance intervals
- ▶ Excellent access to all maintenance points



The Agroplus range's modern turbodiesel engines ensure low fuel consumption.

### Agroplus 410

63 kW / 85 CV



With maximum torque coming at just 1,600 rpm, you'll always have plenty of power available, while reaping the benefits of low fuel consumption.

sumption.

The considerable torque increase, of up to 31%, enables you to cover a large area and achieve higher productivity with fewer gear changes, the benefit is reduced running and labour costs.

# THE RIGHT TRANSMISSION FOR ANY APPLICATION.



## POWER AND ECONOMY THANKS TO THE WIDE RANGE OF SPEEDS.

One tractor. Two transmissions. Four gearbox versions. By now, anyone in the business will have realised - if they hadn't already - that the Agropius is a totally professional compact tractor. The synchro shuttle with or without creep speed, the Powershift transmission and the economical Overspeed system meet a comprehensive range of requirements.

### **Perfect synchronisation**

The gearbox with Hi-Lo and creep speed, offering 30 forward and 15 reverse gears, is fully synchronised. The operator selects forward/reverse by means of a separate lever, ergonomically positioned adjacent to him.

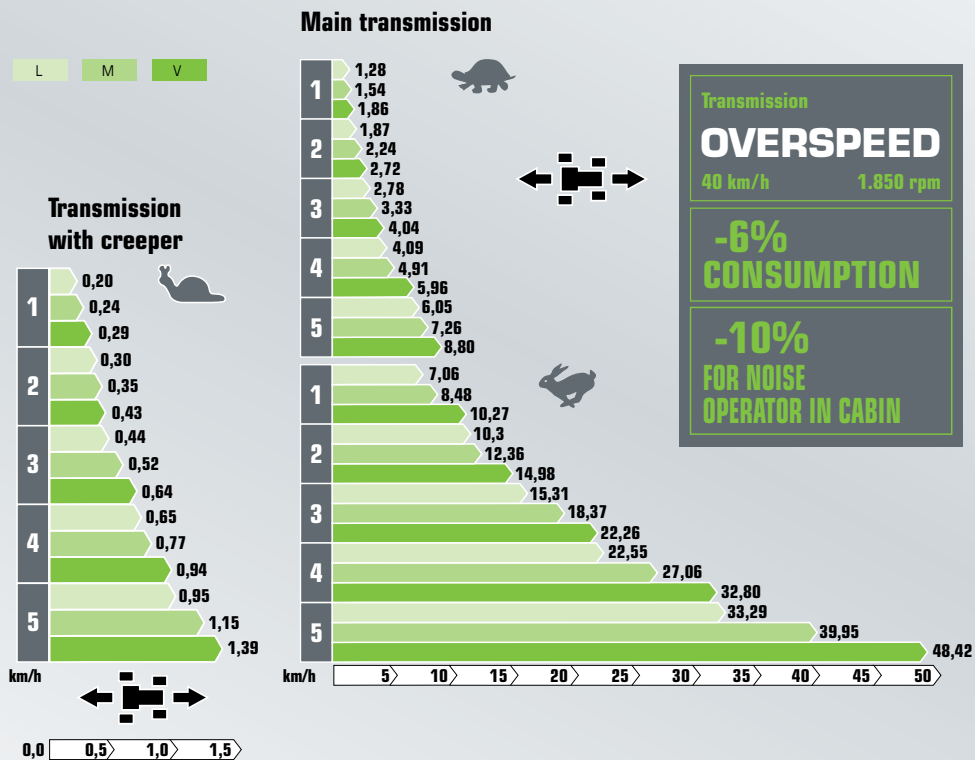
### **Change gear at the touch of a button**

One of the special features of this trac-

tor is the automatic 3-stage Powershift transmission with 45 forward and 45 reverse ratios. The electrohydraulic shift-on-the-go system allows the operator to respond promptly to changing conditions. This gearbox offers a total of 13 different speeds in the main operating range, of 4 to 15 km/h. For special applications, the operator can select the right speed

## ADVANTAGES

- Choice of transmissions: 30 FWD/15 REV speed gearbox or optional three-speed Powershift transmission with 45 FWD/45 REV speeds and creeper gear
- Effortless gear changes
- Overspeed gearbox for economical driving even at top speed, by reducing engine speed
- Quick change of travel direction with the synchro shuttle or optional hydraulic Powershuttle
- Precise modulation of gear speeds in all work ranges
- Creep speeds from 0.20 to 1.17 km/h



The Overspeed gearbox allows precise modulation of gear speeds for all types of work, and extremely low fuel consumption at 40 km/h.



Convenient pushbuttons enable the operator to change gear under load.



The hydraulic Powershuttle is available as an option.

from 0.20 to 1.17 km/h with 15 different steps.

### Versions for optimised economy at 40 km/h

The 30/15 and 45/45 transmissions are called Overspeed transmissions. The Agropius is the only tractor in its class to offer this option. Thanks to electronic control of engine and transmission, at

40 km/h engine speed can be reduced to just 1,850 rpm. This makes the Agropius one of the most powerful, and at the same time one of the most economical tractors in its class.

# ALWAYS ON THE SAFE SIDE.



The Agroplus has exactly the type of chassis that you would expect from a multi-purpose tractor: the undercarriage is almost flat and the centre of gravity is low (ground clearance can be up to 398 mm depending on tyres). The Agroplus tractors are designed for all types of work.

The Agroplus is available in a range of versions designed around its main applications: as a standard tractor with rear-wheel drive and a highly agile front axle, and as a four-wheel drive tractor with a highly robust front axle.

## **High ground clearance**

The front axle is driven by a fully protected central transmission shaft. The epicyclic final drives make it possible to keep the central differential small and compact, thereby offering higher ground clearance. Four-wheel drive is electrohydraulically engaged and disengaged at the touch of a button.

## **Maximum manoeuvrability**

The swivel front fenders of the Agroplus enable the wheels to turn fully without touching the tractor chassis: a small enhancement that makes a big difference. Thanks to a maximum steering angle of 55°, these

tractors can be manoeuvred around the tightest yards, under the lowest entrances and around the narrowest headlands with the utmost control and safety. The turning circle measures just 3.73 m (depending on tyres).

## **Optimum weight distribution**

The Agroplus has a low unladen weight and high maximum load capacity. As well as offering a high effective load for this class of tractor, this means you can use heavier implements with greater working widths.

The low unladen weight of the tractor also limits soil compaction in sowing and culti-

## ADVANTAGES

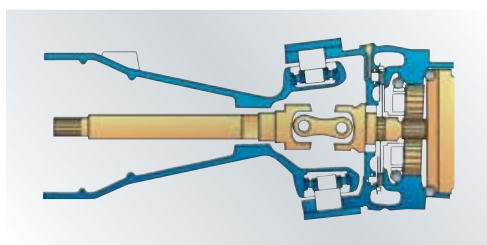
- ▶ Hydraulic, self-adjusting, oil-immersed disc brakes guarantee the highest levels of safety
- ▶ Three braking modes: all-wheel braking, braking on individual rear wheels, braking on front and rear wheels on the same side
- ▶ Stop & Go system
- ▶ Two protected steering cylinders for maximum driver convenience, especially when working with the front loader
- ▶ Electrohydraulic differentials with 100% locking
- ▶ Outstanding manoeuvrability: steering angle of 55° and turning circle of just 3.73 m



The swivel fenders fitted as standard reduce the tractor's turning circle.



The Stop & Go system is a unique feature.



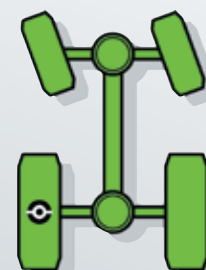
Front axle with internal disc brakes.



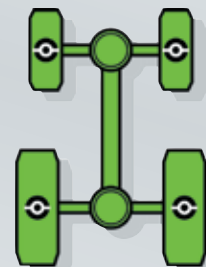
An integrated front lift is available as an option.



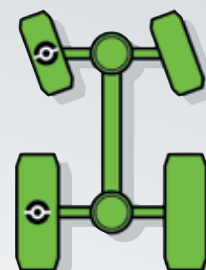
Pushbutton-operated differential lock.



Single rear wheel braking



All-wheel braking.



Braking of both wheels on the same side

vation operations, as well as in open-field transport. The tractors can be fitted with front ballast up to a maximum weight of 480 kg for the most demanding towing jobs.

### Safety in every situation

With Agropius, whether you're working on steep ground or you're in rapid transit on the road, safety is guaranteed at all times. The all-wheel braking system puts the operator in full control, regardless of driving conditions and type of work. The oil-immersed disc brakes on each hub ensure long service-life and high braking efficiency.

### Manoeuvrability

We've all been there, haven't we? Front loader operations, hitching and unhitching implements in tight yards, and manoeuvring on narrow headlands all place a heavy burden on your clutch foot. Now, with Stop&Go, the problem is history. The electronically controlled clutch-packs of the shift-on-the go hydraulic shuttle are operated by means of the brake pedal, enabling the operator to manoeuvre with the utmost ease, using the brake and accelerator pedals only.

### 100% differential locking

The differential locks on the front and rear axles can be engaged and disengaged by means of a pushbutton-operated electrohydraulic control. They allow 100% power transfer for optimum traction.

# HYDRAULIC POWER FOR ANY APPLICATION.



## **High power, maximum strength**

The Agropius's powerful hydraulic system is always reliable: whether you're working with the front or rear hydraulic system, you have plenty of lifting power available: 3,600 kg rear and 1,750 kg front. Robust 3-point linkage, rear external control and quick couplers available for rapid, simple hitching of implements. Electronically controlled lift available as an option. With a maximum flow rate of 54 l/min., the hydraulic system is designed to cover a vast range of applications. The steering is supplied by an independent hydraulic pump.

## **Auxiliary control valves for all applications**

The Agropius's hydraulic system can be equipped with up to 3 double-acting auxiliary control valves for maximum flexibility. The flow control system allows infinite variation of the flow rate of the third auxiliary control valve from 3 to 42 l/min. The remaining oil is available for simultaneous use by other auxiliary control valves or the hydraulic lift. This brings parallel operation to the 60-80 HP class. The assistor ram lift cylinders of the rear hitch (standard on all models) give the Agropius outstanding lifting power.

## **PTO**

The wide operating range of the rear PTO with standard speeds of 540/1000 rpm and the 540E economy PTO, combined with the front PTO (1000 rpm) make the tractor uniquely versatile and suitable for a wide variety of applications. PTO speed can be selected from the drivers seat. Thanks to the oil-immersed multi-disc clutches, the modulated PTO starts up progressively, thus reducing stress and premature wear of implements. When the PTO is disengaged, a special brake is activated.

## ADVANTAGES

- ▶ High lifting capacity, up to 3,600 kg
- ▶ Reliable mechanically controlled lift (MHR)
- ▶ Optional electronically controlled hydraulic lift (EHR)
- ▶ A variety of operations can be conducted with the parallel operation of the hydraulic system and the auxiliary control valves (up to three)
- ▶ Complete system: 540, 540E and 1000 rpm PTO with long-life oil-immersed clutch and electrohydraulic engagement
- ▶ Simplified hitching of implements thanks to the standard, class II 3-point linkage



Everything in reach, everything in view: rear lift fender controls.



Specified together with the electronic controls: the EHR control panel.



Logical layout: the right-hand control console.



Hydraulic system: up to three auxiliary control valves.

### Ground-speed PTO (optional)

A ground-speed PTO is available as an option, which operates independently of the front or rear PTO. Speed depends on the gear ratio selected and is always directly proportional to the rotation speed of the rear wheels.

### Front hydraulic system

(four-wheel drive tractors only)

A powerful front lift with lifting capacity of 1,750 kg can be factory fitted.

The front lift, fully integrated into the tractor chassis, is equipped with a standard

class II three-point linkage. The front lift does not limit the steering angle of the front wheels.

The tractor can be fitted (to order) with a front PTO shaft with a speed of 1000 rpm, driven directly by the engine and can be switched on and off by means of a pushbutton.

# EXTENSIVE RANGE.



While the Agroplus comes with a generous helping of standard equipment, there's no shortage of optional extras either. DEUTZ-FAHR supplies a comprehensive range of special equipment and accessories. Contact your DEUTZ-FAHR dealer for details. They'll be happy to help.

**1 Cab - Comfort:** The ideal cab for a comfortable, ergonomic work environment. Powerful heating and ventilation system. On all versions, heated air is directed towards the foot-well through ducts in the cab posts.

**2 High-visibility roof:** The comfort cab offers unrivalled visibility of the front loader.

**3 Seat** with air suspension: for maximum comfort during long working days.

**4 Ballasting:**

Optimum weight distribution for all applications through the use of correct ballasting according to requirements.



**5. Front PTO and lift:** The Agroplus shows its true versatility when equipped with front implements. The integrated front lift, which can be factory fitted, has a lifting capacity of up to 1,750 kg and a 1000 rpm PTO.

**6 Electronic lift:** The electronic lift (option) provides perfect control of all implements.

**Air conditioning system** (not shown above): available as an option, the air conditioning system provides the right climate in the cab regardless of conditions outside.

**ROPS** (not shown): The Agroplus is also available in a platform version with folding ROPS.

# AGROPLUS 420 PROFILINE.



Agropius 420 Profiline: the version with the highest standard spec in the Agropius range.

One of the main features of this model is that it comes with the new SDF 4-cylinder turbo-intercooled Tier III engine, which provides an electronically controlled power rise on demand (Overpower) for all PTO applications and transport duties. With

OVERPOWER, the tractor is able to generate up to 95 HP when operating in these situations.

**Other standard features include:**

- SENSE CLUTCH oil-immersed multi-disc clutch and STOP&GO system, guaranteeing smooth shuttle between forward and reverse, and safe stopping, all with maxi-

mum operator comfort.

- OVERSPEED transmission, allowing the machine to reach top speed at low engine revolutions, for optimised performance and fuel economy.

- High visibility roof and air suspension seat, allows the operator a clear view and unparalleled comfort.

#### ADVANTAGES

- Overpower for PTO work and transport duties
- High-visibility roof
- Electronic lift for maximum precision
- Shift-on-the-go hydraulic shuttle with response control



# AGROPLUS ECOLINE

## 310 315 320 410



### Versatile by nature

If you value versatility in a tractor, want a low weight-to-power ratio and need high PTO performance, the Agroplus range has been extended in the medium-low segment, with the simple, reliable, economical tractors from the Agroplus Ecoline. These tractors are available in a wide range of versions, from the smaller Agroplus Ecoline 310 - ideal for all-round farm work - to the more powerful Agroplus Ecoline 410 - capable of tackling demanding open-field jobs. The range consists of 4 models with cab and an innovative design:

**Agroplus Ecoline 310 (62 HP/45.6 kW); 315 (72 HP/53 kW); 320 (82 HP/60 kW); 410 (85 HP/62.5 kW).**

Agroplus Ecoline is ideal for small and medium farms, for rapid transport and livestock applications. With their short wheelbase

and high manoeuvrability, these tractors are particularly suitable for jobs such as livestock-building cleaning and general multi-task work around the farm. Depending on how much power you need, you can order your Agroplus Ecoline with advanced 3- or 4-cylinder engines - Tier III - all offering first-class flexibility thanks to the turbo-charger, and equipped with a unique device - the HRT - which, combined with exhaust gas recirculation, ensures that emissions remain well below the levels required by Tier III standards. Electronic engine management is standard on all models: fuel flow is metered automatically — in real time — according to the load conditions and the effort required from the engine to overcome them. And this optimises fuel economy.

**1. Transmission: maximum efficiency and total comfort**

The outstanding efficiency of the mechanical transmissions of the Agroplus Ecoline models derives from the 5-speed gearbox, which extends the available number of speeds within each range. The Agroplus Ecoline is a 5-speed synchronised mechanical gearbox with 2 ranges for a total of 10 forward and 10 reverse speeds and a synchro shuttle. The availability of a 5-speed synchro gearbox with 3 ranges - with Hi-Lo and creeper - offers 30 forward and 15 reverse speeds. For maximum ease and speed of transport and transit on the road, the maximum speed is 40 km/h for both transmissions in the 4WD and 2WD versions with front brakes. The hydrostatic steering with fully independent pump (41 l/min) keeps the steering light even at low engine speeds.

**2. PTO and front-wheel drive**

The availability of 3 PTO speeds (540 -

## ADVANTAGES

- ▶ 3- or 4-cylinder turbo or turbo-intercooled engines and 100% biodiesel compatibility
- ▶ Engine speed programming ensures a constant engine rpm setting whatever the operating conditions
- ▶ 10FWD+10REV mechanical gearbox – 30FWD+15REV with Hi-Lo
- ▶ Synchronised mechanical shuttle
- ▶ PTO, front-wheel drive and mechanically operated differentials
- ▶ Modern design and ergonomic cab



540 Eco - 1000) makes it possible to use the tractor with any implement easily, ergonomically and economically. The ground-speed PTO optimises use with live-axle trailers. The rear PTO is engaged mechanically by means of a lever on the left-hand side of the seat. For maximum traction, the powerful front-wheel drive is also engaged by means of a lever on the left-hand side of the seat.

### 3. Differentials

For maximum performance at all times, even in the most adverse conditions, the front and rear differential lock can be engaged 100% by means of a foot operated pedal.

### 4. Hydraulic lift: rational management of implements

For a tractor that prides itself on versatility, a powerful hydraulic system is all part of the package. The hydraulic flow rate (55 l/min) is perfectly matched for this class of machine, and the 4/6-way auxiliary valves control and modulate the hydraulic implements. For easy hitching of implements, the three-point linkage is also available with quick-hitch lift links. Lifting capacity of 3600 kg with assistor rams.

### 5. Cab: comfortable by design

Deutz has always maintained that comfort plays a key role in productivity, so it focuses substantial design effort on this area. The Agroplus Ecoline is equipped with a silentblock-mounted, flat platform and a cab. The driving position is spacious and comfortable, with shift levers located to

the right of the seat for easy entry and exit. The cab offers further protection against noise - thanks to sound-insulation with highly effective sound-absorbing materials - and dust, with an effective air filter and fully sealing doors. The numerous climate control outlets, the air-cushioned driver's seat and the ergonomic controls, ensure that driving enjoyment is worthy of the Deutz name.

# TECHNICAL DATA

TECHNICAL DATA		AGROPLUS 315			AGROPLUS 320			AGROPLUS 410			AGROPLUS 420*				
		Version	4WD		4WD		2WD		4WD		4WD				
ENGINE			1000.3 WTI TIER III		1000.3 WTI TIER III		1000.4 WTI TIER III		1000.4 WTI TIER III		1000.4 WTI TIER III				
Cylinders/Displacement		n°/cm³	3/3000		3/3000		4/4000		4/4000		4/4000				
Air intake			Turbo Intercooler												
Max. power (2000/25/EC)		HP/kW	72/53		82/60		85/63***		95/70						
Rated speed		rpm	2200		2200		2200		2200						
Max. torque		Nm	265		310		345		373						
Revolutions at maximum torque		rpm	1600		1600		1600		1600						
Cooling			Liquid-oil												
Engine control			Electronic												
Air filter			Dry with safety element												
Underhood silencer			With side exhaust												
			With vertical exhaust pipe												
			Exhaust pipe on cab post												
Fuel tank capacity		Litres	100												
WEIGHTS AND DIMENSIONS (with rear tyres)			420/70 R 30		420/70 R 30		480/70 R 30		480/70 R 30		480/70 R 30				
Max. length without link arms		mm	3430		3430		3560		3560		3560				
Min. /max. width		mm	1940-2240		1940-2240		2005-2405		2005-2405		2005-2405				
Max. height at ROPS		mm	2400		2400		2440		2440		2440				
Max. height at cab		mm	2460		2460		2460		2460		2460				
Ground clearance		mm	360		360		300		390		390				
Wheelbase		mm	2100		2100		2185		2230		2230				
Min. /max. front track width		mm	1460-1760		1460-1760		1350-1440		1450-1850		1450-1850				
Min. /max. rear track width		mm	1500-1800		1500-1800		1500-1900		1500-1900		1500-1900				
Minimum turning radius without brakes		mm	3900		3900		3570		3900		3900				
Weight with ROPS		kg	3000		3000		3150		3200		3200				
Weight with cab		kg	3230		3230		3350		3410		3410				
TRANSMISSION			FRONT AXLE												
Main drive clutch		Hydrostatically operated	Drive engagement					Electrohydraulic							
5-speed mechanical gearbox with full synchromesh 3 ranges with creeper and mechanical underdrive (splitter) (min. speed: 0.24 km/h)		30 FWD + 15 REV with OVERSPEED	Front differential lock					Electrohydraulic							
Powershift TRANSMISSION (3 shift-on-the-go speeds) 5 synchro gears 3 ranges (with creeper) (min. speed: 0.20 km/h)		45 FWD + 45 REV with OVERSPEED	Front ballast weights					8 x 40 kg suitcase							
Max. speed		With Overspeed, up to 50 km/h (limited by statutory regulations to 40 km/h in both normal and economy engine modes)	Front fenders					Steering							
Shuttle		Mechanical synchronised	HYDRAULIC LIFT												
Rear differential lock		Hydraulic with Stop&Go system	Rear lift					Mechanical							
Lubrication		Electrohydraulically operated	Max. lifting capacity					Electronic							
REAR PTO		Pressure, with transmission oil cooler	kg					3000							
Clutch		Oil-immersed multi-disc, electrohydraulically operated	Pump flow rate					3600 with supplementary rams							
rpm		540-540 ECO	l/min.					54							
Speed		540-540 ECO-1000	Auxiliary control valves					n° ports							
rpm		GROUND-SPEED PTO	3-point linkage					4/6 with flow control							
Control		Electrohydraulic pushbutton	(lift links and top link)					Fixed link ends							
FRONT P.T.O.			Front lift					Quick-hitch							
Clutch		Oil-immersed multi-disc, electrohydraulically operated						Integrated							
rpm		1000						Maximum lifting capacity 1750 kg							
Control		Electrohydraulic pushbutton						Quick fit ballast weight - 250 kg							
BRAKES AND STEERING			DRIVING POSITION												
Braking		All-wheel braking with oil-immersed discs and hydrostatic control	Flat platform					Silentblock-mounted							
Parking brake		independent	ROPS					With two rear uprights							
Trailer braking		Hydraulic braking valve	Cab					Original, sound-proofed, pressurised, 4-post cab, openable windscreen, rear wiper, 4 work lights, active carbon filter,							
Hydrostatic steering		Independent pump with adjustable steering wheel						telescopic external rear view mirrors							
Steering angle		2WD 4WD						As above, with high visibility roof							
		70° 55°						Cab climate control							
								Instrumentation							
								Driver's seat							
								Mechanical adjustment with safety belt							
								With air suspension and safety belt							
POWERSHIFT TRANSMISSION WITH OVERSPEED 45 FWD + 45 REV – SPEED IN KM/H AT 2200 RPM WITH 480/70 R 30 REAR TYRES															
	1 CRP	2 CRP	3 CRP	4 CRP	5 CRP	1 L	2 L	3 L	4 L	5 L	1 H	2 H	3 H	4 H	5 H
LOW	0.20	0.30	0.44	0.65	0.95	1.28	1.87	2.78	4.09	6.05	7.06	10.30	15.31	22.55	33.29
MEDIUM	0.24	0.35	0.52	0.77	1.15	1.54	2.24	3.33	4.91	7.26	8.48	12.36	18.37	27.06	39.95
HIGH	0.29	0.43	0.64	0.94	1.39	1.86	2.72	4.04	5.96	8.80	10.27	14.98	22.26	32.80	48.42**
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.															
* = AGROPLUS 420 AVAILABLE IN PROFI-LINE VERSION ONLY - ** = SPEED RESTRICTED TO 40 KM/H INCLUDING IN ECONOMY MODE - *** OVERBOOST TO 95 HP NOTE: THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE CORRESPONDING FORWARD SPEEDS															

FRONT AXLE	
Drive engagement	Electrohydraulic
Front differential lock	Electrohydraulic
Front ballast weights	8 x 40 kg suitcase
Front fenders	Steering
HYDRAULIC LIFT	
Rear lift	Mechanical
	Electronic
Max. lifting capacity	kg
	3000
	3600 with supplementary rams
Pump flow rate	l/min.
	54
Auxiliary control valves	n° ports
	4/6 with flow control
3-point linkage	Fixed link ends
(lift links and top link)	Quick-hitch
	Integrated
Front lift	Maximum lifting capacity 1750 kg
	Quick fit ballast weight - 250 kg
DRIVING POSITION	
Flat platform	Silentblock-mounted
ROPS	With two rear uprights
	Original, sound-proofed, pressurised, 4-post cab, openable windscreen, rear wiper, 4 work lights, active carbon filter,
Cab	telescopic external rear view mirrors
	As above, with high visibility roof
Cab climate control	Air conditioning, ventilation, heating and forced recirculation
Instrumentation	Digital display
Driver's seat	Mechanical adjustment with safety belt
	With air suspension and safety belt

## TECHNICAL DATA

### AGROPLUS Ecoline 310

### AGROPLUS Ecoline 315

### AGROPLUS Ecoline 320

### AGROPLUS Ecoline 410

	Version	4WD	4WD	4WD	2WD	4WD
ENGINE		1000.3 WT TIER III	1000.3 WT TIER III	1000.3 WT TIER III	1000.4 WT TIER III	
Cylinders / Displacement	n°/cm³	3/3000	3/3000	3/3000	4/4000	
Air intake		Turbo	Turbo/Intercooled	Turbo/Intercooled	Turbo/Intercooled	
Max. power (2000/25/EC)	HP/kW	62/46	72/53	82/60	85/62.5	
Rated speed	rpm	2200	2200	2200	2000	
Maximum torque	Nm	240	265	310	345	
Speed at maximum torque	rpm	1600	1600	1600	1600	
Cooling		Liquid-oil				
Engine control (governor)		Electronic				
Engine air filter		Dry type with safety element				
Silencer under hood		Standard horizontal				
		Optional vertical with exhaust on cab post				
Fuel tank capacity	Litres	75				
DIMENSIONS and WEIGHTS (with rear tyres)		380/85 R 30	420/70 R 30	480/70 R 30	540/65 R 30	
Max. length without link arms	mm	3430	3430	3560	3560	3560
Min-max width	mm	1940-2240	1940-2240	2005-2405	2005-2405	2005-2405
Height at cab	mm	2435	2435	2460	2460	2460
Ground clearance	mm	360	360	390	300	390
Wheelbase	mm	2100	2100	2230	2185	2230
Front track min-max width	mm	1460-1760	1460-1760	1450-1850	1350-1440	1450-1850
Rear track min-max width	mm	1500-1800	1500-1800	1500-1900	1500-1900	1500-1900
Minimum turning radius without braking	mm	3730	3900	3900	3570	3900
Weight with cab	kg	3200	3220	3410	3350	3350

#### TRANSMISSION

Main drive clutch	With hydrostatic control
5-speed mechanical gearbox Full synchromesh, for 2 ranges	10 FWD +10 REV
5-speed mechanical gearbox Full synchromesh 3 ranges with mechanical underdrive (Splitter)	30 FWD + 15 REV
Top speed:	40 km/h
Shuttle	Mechanical synchronized
Rear differential lock	Mechanically operated
Lubrication	Pressure, with transmission oil cooler

#### REAR P.T.O.

Clutch	Oil-immersed multi-disc clutch
Speeds	540
	540-540 ECO
	540-540 ECO-1000
	540-540 ECO-Syncro with independent output shaft
Control	Mechanically operated

#### BRAKES AND STEERING

Brakes	All-wheel, with oil-immersed discs on each hub, hydrostatically operated
Parking brake	Independent
Trailer brake	Hydraulic braking valve
Hydrostatic power steering	Independent pump with adjustable steering wheel
Steering angle	2WD 70°
	4WD 55°

#### FRONT AXLE

Four wheel drive engagement	Mechanically operated
Front differential lock	Mechanically operated
Front ballast weights	8 x 40 kg suitcase
Front fenders	steering

#### HYDRAULIC LIFT

Rear lift	Mechanical
Max. lifting capacity	kg 2650
Pump flow rate	l/min. 55
Auxiliary mechanical control valves	n° ports 4/6
3-point linkage (lift links + top link)	Fixed link ends Auto-hitch

#### OPERATOR POSITION

Cab	Original, 4-post, pressurised and soundproofed cab, openable windscreen, rear wiper, 4 work lights, active carbon air filter and telescopic external rearview mirrors, mounted on silentblocks
Cab climate control	Air conditioning, ventilation, heater and forced recirculation
Instrumentation	Digital display
Driver seat	Mechanically adjustable, with safety belt With air suspension and safety belt

#### 10 FWD + 10 REV GEARBOX - SPEED IN KM/H AT 2200 RPM WITH 480/70 R 30 REAR TYRES

1 M	2 M	3 M	4 M	5 M	1 H	2 H	3 H	4 H	5 H
1.88	2.68	3.85	5.38	7.48	10.35	14.78	21.18	29.6	41.18*

#### 30 FWD + 15 REV GEARBOX - SPEED IN KM/H AT 2200 RPM WITH 480/70 R 30 REAR TYRES

1 CRP min	2 CRP min	3 CRP min	4 CRP min	5 CRP min	1 M min	2 M min	3 M min	4 M min	5 M min	1 H min	2 H min	3 H min	4 H min	5 H min
0.245	0.351	0.502	0.702	0.976	1.55	2.214	3.172	4.433	6.167	8.529	12.183	17.456	24.394	33.932
1 CRP	2 CRP	3 CRP	4 CRP	5 CRP	1 M	2 M	3 M	4 M	5 M	1 H	2 H	3 H	4 H	5 H
0.298	0.426	0.61	0.852	1.185	1.881	2.687	3.851	5.381	7.485	10.352	14.787	21.188	29.609	41.187*

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.

\* = TOP SPEED RESTRICTED TO 40 KM/H IN ECONOMY MODE  
NOTE: THE REVERSING SPEEDS ARE SLIGHTLY SLOWER THAN THE CORRESPONDING FORWARD SPEEDS  
FOR THE 30+15 GEARBOX, THE SPEEDS IN REVERSE ARE SLIGHTLY SLOWER THAN THE SPEEDS WITHOUT UNDERDRIVE.  
THE AGROPLUS 310 ECOLINE CANNOT BE FITTED WITH AIR CONDITIONING  
TRAILER AIR BRAKES ARE NOT COMPATIBLE WITH THE INSTALLATION OF AIR CONDITIONING.

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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.

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