

# DEUTZ-FAHR NEWS.



# EXCELLENCE AT THE SERVICE OF AGRICULTURE.

DEUTZ-FAHR, synonymous with excellence, power and reliability in every situation, represents the result of the most advanced German manufacturing technology in the agricultural vehicles sector. DEUTZ-FAHR tractors, designed to ensure top performance and absolute comfort in any operating conditions and on any terrain, have always been a benchmark for those aiming to reach maximum productivity in agricultural work.

But research and innovation never stop and this is why DEUTZ-FAHR today presents its new models in the medium and high power segment.

The 11 Series: tractors capable of delivering up to 440 HP at the top of the market for very high power machines. Totally innovative products with aesthetically pleasing and technologically advanced features.

The 9 Series: four models from 270 to 340 HP for those looking for high power but also fuel consumption and operating cost efficiency.

The 7 ST Series: directly derived from the 7 TTV Series - a true leader in 2013 thanks to the enormous success among farmers - new tractors with the same winning characteristics but with Powershift transmission to satisfy the needs of everyone, from large farms to agricultural contractors.

But there are also innovations in the medium power segment.

The 6 Series extends its power range from 120 HP to 190 HP, with the new 6120, 6130 and 6140 Powershift and TTV models, becoming the most complete range in this market segment. Characterised by maximum versatility, efficiency and powered by the latest generation of Deutz tier 4i 6.0 litre engines to perform a host of operations including grassland, transportation, secondary tillage and all tasks with front loader.

The newborn 5 Series, on the other hand, is now joined by the new 5 C Series, four models from 89 to 118 HP, easy to operate, compact size, with a high standard of technology and top class comfort that make them ideal tractors for all farms.

There are also new developments in the combine harvester market where DEUTZ-FAHR presents the new C9000 Series. The result of over 100 years of experience and constant innovation, the C9000 Series with 5 or 6 straw walkers and also the Balance version can mount headers up to 9 metres with the same qualities that have always distinguished the history of the brand: power, reliability and comfort, plus renewed attention to the aesthetic appearance thanks to "Giugiaro Design" which has redesigned the body.



# DEUTZ-FAHR 11 SERIES: NUMBER ONE, TWICE.

## 11 SERIES. THE NEW HIGH POWER ERA.

DEUTZ-FAHR presents a new range of conventionally built tractors having TTV continuously variable transmission and providing a record breaking power of up to 440hp. The biggest and most powerful DEUTZ-FAHR ever. This important development is the result of technological research, innovation capacity, partnerships of excellence and has been fuelled step by step by the "440Hp Project" web community.

Despite its enormous power, style has not been neglected and on this score collaboration with Giugiaro Design and use of advanced technology which places ultimate priority on the operator when it comes to the study of ergonomics, has resulted in the unique, dominating visual impact of the new DEUTZ-FAHR range.

The 11 Series is a project which aims to change the DEUTZ-FAHR high power concept, starting from the engine. For the first time the partner is large diesel engine manufacturer MTU with the 12.8 litre 6R 1300 engine in the 440hp model having a torque of 1,800 Nm at 1,900 rpm and capable of maintaining high pulling traction with limited fuel consumption.

The engine is housed in a frame that is also home for the transmission and front axle, guaranteeing perfect construction modularity and excellent absorption of torsional stress generated by the large dimension implements. All models will be Tier 4 Final compliant with large fuel and AdBlue capacity tanks.

With the ZF Terramatic TMG 45 the efficiency of the TTV

transmission reaches a new milestone with regard to economy of operation, both in the field and on the road, with a maximum speed of 50 or 60 kph at 1,700 rpm. The innovative ABS braking system provides optimum grip and safe and progressive braking.

Despite their exceptional dimensions all models in the range have a minimum turning circle with 650/65R38 tyres. In addition, to cope with high traction loading and reduce soil compaction, the 11 Series can be fitted with tyres up to IF900/65R46 due to the new Michelin AxioBib RCI 50, the largest agricultural tyre on the market.

The hydraulic system is designed in line with the operating requirements of the machine. There is a 300 l/min Load-Sensing hydraulic system operating at 200 bar and up to eight auxiliary valves, all electronically controlled and all with timer and flow control functions. The hydraulic oil reservoir is independent of the transmission's and prevents dust or debris from the auxiliary valves entering and causing damage to the transmission. An innovative Energy-Saving function optimises overall efficiency of the machine by disconnecting the second hydraulic pump when the power requirement is adequately covered by the first. Finally, worthy of mention is the maximum lifting capacity of 12,000 kg at the ball end of coupling rear links.

For smooth operation in the field and on the road the new front axle suspension of the 11 Series is independent and also the four-point hydraulic suspension cab is a completely new design: comfortable and ergonomic. A new level of comfort is obtained thanks to the fenders being independent of the cab structure and reducing stress and noise.

The 11 Series will be available from the end of 2015 in three models: 360 Hp, 400 Hp and 440 Hp. A new era in high power is becoming ever closer.

MODEL		11350	11400	11440
Engine-Manufacturer		MTU		
Cylinders/Displacement	No./cc	6/10,700		6/12,800
Max. power with boost	kW/HP	257/350	294/400	324/440
Max. power	kW/HP	238/325	271/369	300/408
Rated power with boost	kW/HP	241/329	275/374	304/413
Rated power	kW/HP	231/315	265/361	295/401



**DEUTZ-FAHR 9 SERIES,  
PRODUCTIVITY WITHOUT LIMITS.**



## 9 SERIES. HIGH PERFORMANCE, MAXIMUM EFFICIENCY.

DEUTZ-FAHR's moves into the high power zone with the introduction of the new 9 Series tractors which comprise four models from 270hp to 340 hp and employ TTV continuously variable transmissions.

Offering operator comfort, fuel efficiency and low operating costs, these tractors also benefit from a style which has been developed and refined in partnership with Giugiaro Design. Their clear and decisive lines for the hood, their distinctive cab and the fitting of high quality materials results in an aggressive yet user friendly design which has become the hall mark of the latest DEUTZ-FAHR tractor developments.

The new models provide unequalled performance when working with large, power absorbing ploughs or deep subsoilers as they do when powering high capacity cultivator drill combinations. Their reliability and economy is truly first class but not, it should be noted, at the expense of versatility or manoeuvrability.

Power is provided by DEUTZ TCD 7.8 litre twin turbo six cylinder engines that are compliant with Tier 4 final emission regulations and employ four valves per cylinder. These engines are turbocharged and intercooled and use an integrated electronic control for their DCR (DEUTZ Common Rail) injection system and after treatment of exhaust emissions with SCR catalytic converter and DPF.

A large fuel tank capacity means uninterrupted days can be spent in the field and a new electronically controlled cooling system ensures that maximum efficiency and low fuel consumption is achieved - which is particularly useful during road transport when ambient temperatures are high.

Fast reactions with safety and precision: these are the characteristics of the ZF Terramatic TMT 32 continuously variable transmission which reaches new levels of fuel efficiency when operating both in the field and on the road. A top speed of 60 kph can be attained at 1,780 rpm engine speed, 50 kph at 1,480 rpm or 40 kph at 1,350 rpm. Also helping to reduce fuel consumption is a PTO package which offers three speeds of 540E/1000/1000E and progressive electrohydraulic control.

Conditions on the road and in the field can change continuously but due to the front axle suspension system the 9 Series has perfect driving dynamics and provides superior comfort. Stopping the tractor is also important, for this, there is the PowerBrake braking system which requires only a small amount of effort to

bring the tractor safely to a halt. The brake department also includes an electronic parking brake (EPB) that provides positive engagement of the parking brake system. The disc brakes on the front axle in the 60 kph version also make an important contribution to braking performance.

The hydraulic system has a 210 l/min Load-Sensing pump operating at 200 bar and up to seven auxiliary valves of which four provide a maximum flow of 150 l/min and three with a flow of up to 100 l/min. All are electronically controlled with timer functions and flow control.

A 90 litre hydraulic system oil tank is independent of the transmission oil reservoir and, as a result, prevents dust or debris entering via the auxiliary valves. Maximum lifting capacity at the ball end of the quick coupling rear links is rated at 12,000 kg.

The MAXI-VISION cab further enhances the 9 Series tractors. Comfortable, quiet and good allround visibility are key attributes to this superb operator environment - the latter due to the new single piece windscreen. Further comfort is achieved through use of high-quality materials for the functional "soft grip" steering wheel and the positioning of the antiglare colour display monitor alongside the driver's seat. Options include a 12" touchscreen monitor (i-Monitor 2.0), the Agrosky GPS navigation system and the ComforTip headland management system.

For DEUTZ-FAHR the introduction of the 9 Series represents an important milestone - one which follows hard on the heels of the multiple award winning 7 Series and makes a major contribution to the evolution of modern agriculture where efficiency, fuel economy and reliability are now essential ingredients.

MODEL		9270	9300	9320	9340
Engine-Manufacturer		DEUTZ			
Cylinders/Displacement/Valves	No./cc/No.	6/7,800/4			
Max. power with boost	kW/HP	201/273	216/293	229/311	244/331
Max. power	kW/HP	188/255	202/274	217/295	230/312
Rated power with boost	kW/HP	176/239	189/257	203/276	217/295
Rated power	kW/HP	158/215	171/233	185/252	199/271

\*ECE R-120

# DEUTZ-FAHR 7 ST SERIES, EXCEPTIONAL PERFORMANCE.

## POWERFUL OPERATOR.

The new 7 ST Series stands out for its excellent ergonomics of the controls, housed in a new cab providing a relaxed drive and maximum comfort. The new rear fenders, the sleek lines of the bonnet, the sloping and aggressive profile and rounded body create a unique and engaging style. The 7 ST Series, with two 200 and 220 HP models, constitutes a big step forward in terms of driving comfort and productivity and has been designed to meet the needs of the most demanding jobs and in extreme operating conditions. Particularly suitable for medium-large farms and agricultural contractors.



The modern DEUTZ engines, compliant with the III B (Tier 4 Interim) standard, have four valves per cylinder, Common Rail system and after treatment of exhaust emissions with SCR. A formidable combination that allows the engine to provide maximum performance under any conditions. Thanks to the SCR converter, which replaces the conventional exhaust gas recirculation system, the engine works with optimal efficiency and performance. 24 gears engageable under load adapt perfectly both in the field and on the road with maximum efficiency, the right qualities for a winning transmission. The first group of 12 gears provides all the speeds required for work in the field, since the 12th gear reaches 19 km/h. The second group of 12 gears, suitable for road transport, provides speed from 0 up to 50-60 km/h (Individual market restrictions apply) at 1700 rpm. With the addition of the low gear range, the speeds become 33 + 33 and the 7 ST Series is perfectly suited for low speed work (from 650 m/h).

	MODEL	7200	7220
Engine-Manufacturer		DEUTZ	
Cylinders/Displacement/Valves	No./cc/No.	6/6,057/4	
Max. power	kW/HP	145/197	162/220
Rated power	kW/HP	139/189	157/213
Max. lift capacity	kg	10,000	10,000
Weight	kg	8,250	8,250

\*ECE R-120



When road and field conditions change the APS automatically chooses the ideal gear for any load variation or engine speed. The change of speed takes place with maximum safety since it is electronically controlled. This new driving experience is complemented by the new shuttle with modulation control, which allows the driver to adapt the speed of the change of direction to the work operation. The standard hydraulic system includes a 113 l/min Load-Sensing pump, plus an independent pump for the power steering. The tractors offer a generous selection of hydraulic valves, with up to 7 electronically controlled valves. The electronically controlled rear lift has a lifting capacity of 10,000 kg with 4,000 kg for the optional front lift. The refined elegance of the MaxiVision cab characterises the personality of the 7 ST Series with a comfortable, refined, ergonomic and exclusive environment. High visibility, single piece windscreen, high-quality materials and the new soft grip steering wheel make the interior elegant and functional.





# DEUTZ-FAHR 6 SERIES 6120.4, 6130.4 AND 6140.4 PS AND TTV, EXCELLENT VERSATILITY.

## 6 SERIES. A COMPLETE CHOICE.

DEUTZ-FAHR expands its 6 Series with new models from 120 to 140 horse power, with Powershift or TTV continuously variable transmission. A range already equipped with high level technical features. Excellent fuel consumption, low operating cost efficiency and reduction of harmful emissions further strengthens the 6 Series reputation. The design is by Giugiaro Design, combining functionality with state-of-the-art styling.

The new models represent the completion of the mid-range of the DEUTZ-FAHR 6 Series which already includes tractors with up to 190 HP and ample choice of PS and TTV versions. The 6120, 6130 and 6140 are versatile tractors with excellent manoeuvrability, ideal for applications with front loader, silage and grassland, transport and secondary tillage. These new models will replace the highly successful DEUTZ-FAHR tractors the TTV 400 and the Agrottron K.

Both the TTV as well as the PS models are equipped with new Deutz engines compliant with Phase III B (Tier 4 Interim). Four valves per cylinder, turbocharger with intercooler and wastegate, integrated electronic control of the DCR (Deutz Common Rail) injection system up to 1600 bar and after treatment of exhaust emissions with SCR catalytic converter.

The version with continuously variable transmission ensures complete versatility and performance and, together with the Maxi-Vision cab, represents the pinnacle for DEUTZ-FAHR in terms of comfort and ergonomics for top-of-the-range models. Models with Powershift transmission can count on 32/32 FWD/REV gears, 48/48 optional, and four PTO speeds. The cab is the S-Class<sup>2</sup> in two versions: Profiline and Standard.

With the introduction of the 6120, 6130 and 6140 models, the 6 Series offer a range from 120 Hp to 190 Hp, making this family, with the specification options and technical features, the most comprehensive range on the market for this horsepower segment.

MODEL		6120.4	6130.4	6140.4
Engine-Manufacturer		DEUTZ		
Cylinders/Displacement/ Valves	No./cm <sup>3</sup> / No.	4/4,038/4		
Max. power with boost	kW/HP	-	-	106/144
Max. power	kW/HP	87/118	94/128	99/135
Rated power with boost	kW/HP	-	-	104/141
Rated power	kW/HP	84/114	91/124	95.5/ 130
Max. lift capacity	kg	6,200	6,200	6,200
Weight	kg	5,400	5,400	5,400

\*ECE R-120

MODEL		6120.4 TTV	6130.4 TTV	6140.4 TTV
Engine-Manufacturer		DEUTZ		
Cylinders/Displacement/ Valves	No./cm <sup>3</sup> / No.	4/4,038/4		
Max. power with boost	kW/HP	-	-	106/144
Max. power	kW/HP	87/118	94/128	99/135
Rated power with boost	kW/HP	-	-	104/141
Rated power	kW/HP	84/114	91/124	95.5/130
Rear lifting capacity	kg	6,200	6,200	6,200
Min-Max Weight	kg	5,500	5,500	5,500

\*ECE R-120



# DEUTZ-FAHR 5C SERIES, RATIONAL VERSATILITY.

## IDEAL FOR ALL FARMS.

Based on the successful and ultra-modern 5 Series, Deutz-Fahr engineers have developed the new 5C Series, comprising four models from 89 to 118 HP, all characterised by extensive specification flexibility. The 5C Series offers a full range of standard equipment, compact dimensions, advanced technology components, high quality materials and superior comfort. The LS and GS versions are equipped with the synchronized mechanical shuttle in the former and electro-hydraulic shuttle in the latter. The unique design and style of the new 5C Series are a natural complement to its modern technical characteristics, making these tractors unmistakable and ideal for all farming operations.

## ENGINE: COMPACT EFFICIENCY.

The new engine of the 5C Series is the Deutz TCD 3.6 L04, a 4 cylinder 3,620 cc with wastegate turbocharger, intercooler and proportional viscostatic fan (optional).

Compliance with Tier 4i level for polluting emissions has been achieved by the introduction of external, liquid-cooled, electronically controlled and modulated exhaust gas recirculation (EGR), in addition to a diesel oxidizing catalyst (DOC).

The fully electronic engine management optimises fuel consumption, allowing the engine to always deliver only the power actually necessary to perform the various agricultural operations.

	MODEL	90	100	110	120
Maximum power	kW/HP	65.5/89	72.5/99	81/110	87/118
Homologated power (2000/25/EC) at rated engine speed	kW/HP	62.5/85	69.5/95	77/105	83/113
Maximum torque	Nm	358	397	440	460
Cylinders/ displacement	n°/cc	4/3,620	4/3,620	4/3,620	4/3,620
Rear lifting capacity	kg	3,565/4,855	4,855	4,855/5410	5,410
Weight with cab	kg	3,800	3,900	3,900	3,900

## TRANSMISSIONS AND BRAKES: EFFICIENT AND MODULAR.

The new 5C Series has a wide choice of specification options, all characterised by extremely high efficiency. As standard specification is a fully synchronised mechanical gearbox with 10 speeds for each direction, obtained by combining five gears in two ranges, together with a hydraulic Powershuttle in the GS versions and a mechanical shuttle in the LS versions.

Adding as an option to the standard configuration the Hi-LO (2-speed powershift) or the underdrive and supercrawler gears, it is possible to have 20FWD + 20REV, while specifying these extra transmission options doubles the gear combinations, taking them to 40 + 40. In addition, for GS versions, on request the HML module is available which, starting from the standard gearbox, allows 3 speeds to be engaged under load for every gear, for a total of 30FWD +, 30REV, which can be increased to 60 + 60 with the optional creeper gears. With Hi-lo and HML 40 km/h is maintained at an economical engine speed!

The integral braking system with wet discs on the 4 wheels is standard across the entire 5C range, while for GS versions the Park Brake is available on request.

The braking system for the trailer is available in both hydraulic and pneumatic versions.

## PTO: MORE IS NOT POSSIBLE.

Being able to choose several options regarding PTO speeds undoubtedly contributes to increasing the versatility of a tractor, which can work at maximum efficiency even when high power is not required. On the 5C Series all 4 standardised speeds (540, 540ECO, 1000 and 1000 ECO) are available, electrohydraulically engageable with automatic load detection, in order to always ensure gradual and progressive start-up of attached implements and fully exploit the extraordinary performance level of the Deutz engine at all times. With the front hitch, the front PTO can be fitted as an option, which operates at the usual 1000 PTO rpm. To complete the offer, the ground speed PTO with independent output shaft is available.

## HYDRAULIC SYSTEM WITH LIFTING PRECISION AND EFFICIENCY.

The new 5C Series offers modular and efficient hydraulic systems. The standard specification includes an open-centre system with 55 l/min pump, accompanied by 2 rear valves which can optionally be increased up to 4 (including two electronically controlled). The 60 litre ECO option, on the other hand, has a mechanically controlled dual 60 l/min pump and flow regulator, capable of delivering the maximum flow rate at just 1600 rpm engine speed, in order to ensure high hydraulic flow rates and reduced engine loading. With the 60 litre ECO option, the increase in oil flow at low rpm reaches 55%, ensuring smooth operation with a simultaneous reduction in fuel consumption.

In fact, with a single control it is possible to activate a secondary 20 l/min pump, which at low engine speeds supplements the main pump, then gradually phases out at over 1600 rpm.

The entire 5C Series range is equipped with push-pull hydraulic connectors for easy connection of hydraulic lines even when the system is pressurised; an oil container collects the small amounts of oil which may escape when making connections, preventing spillage onto the ground. Yet another solution proving that for Deutz-Fahr, building green machines goes further than the colour of the paint! The rear lift as standard has an EHR electronic control system which uses 2 load sensing pins situated near the lower link arms as draft sensors. the maximum lifting capacity is 3,565, 4,855 or 5,410 kg (depending on the model).



# DEUTZ-FAHR COMBINE HARVESTER C9000 SERIES.

## MAXIMUM PERFORMANCE, MINIMUM CONSUMPTION.

The DEUTZ-FAHR tradition of power matched with reliability continues with the introduction of a comfortable new cab and elegant Giugiaro styling which reinterpretes the familiar family look of the brand. Four new 5- and 6-straw walker models are introduced - the C9205 TS, C9205 TSB, C9206 TS and C9206 TSB - with specific features tailored for maximised productivity in all crop applications with the added capability of working large areas. The new design is not just elegant but offers easier access too, with large gullwing lateral doors and a rear sliding door making the task of refuelling the main and AdBlue tanks much simpler. The superbly performing and efficient 7.8 litre, 246 kW (334 hp)

Deutz TCD L6 T4i engine is used in both the C9205 and the 290 kW (395 hp) Deutz TCD L6 T4i engine for the C9206.

After being taken aback by the emotive design of this new combine harvester, you'll be simply astonished by the efficient solutions introduced to make daily and unscheduled maintenance easier. Every aspect is optimised so it only takes a few moments to check under the panels before you can set off on a productive and long day of harvesting.

MODEL		C9205 TS	C9205 TSB	C9206 TS	C9206 TSB
Engine		DEUTZ TDC L6 7.8 LT			
Rated power (97/68/EC)	kW/HP	226/307		267/363	
Max. power (ECE R120)	kW/HP	211/287		290/395	
Cutting width	m	4.80-5.40-6.30-7.20-9.0		5.40-6.30-7.20-9.00	
Threshing drum diameter/ width	mm	600/1,270		600/1,521	
Turbo separator		std			
Total separation area	m <sup>2</sup>	7.36		8.8	
Total cleaning area	m <sup>2</sup>	5.28		6.32	
Fuel tank	l	750			
Grain tank	l	9,500			



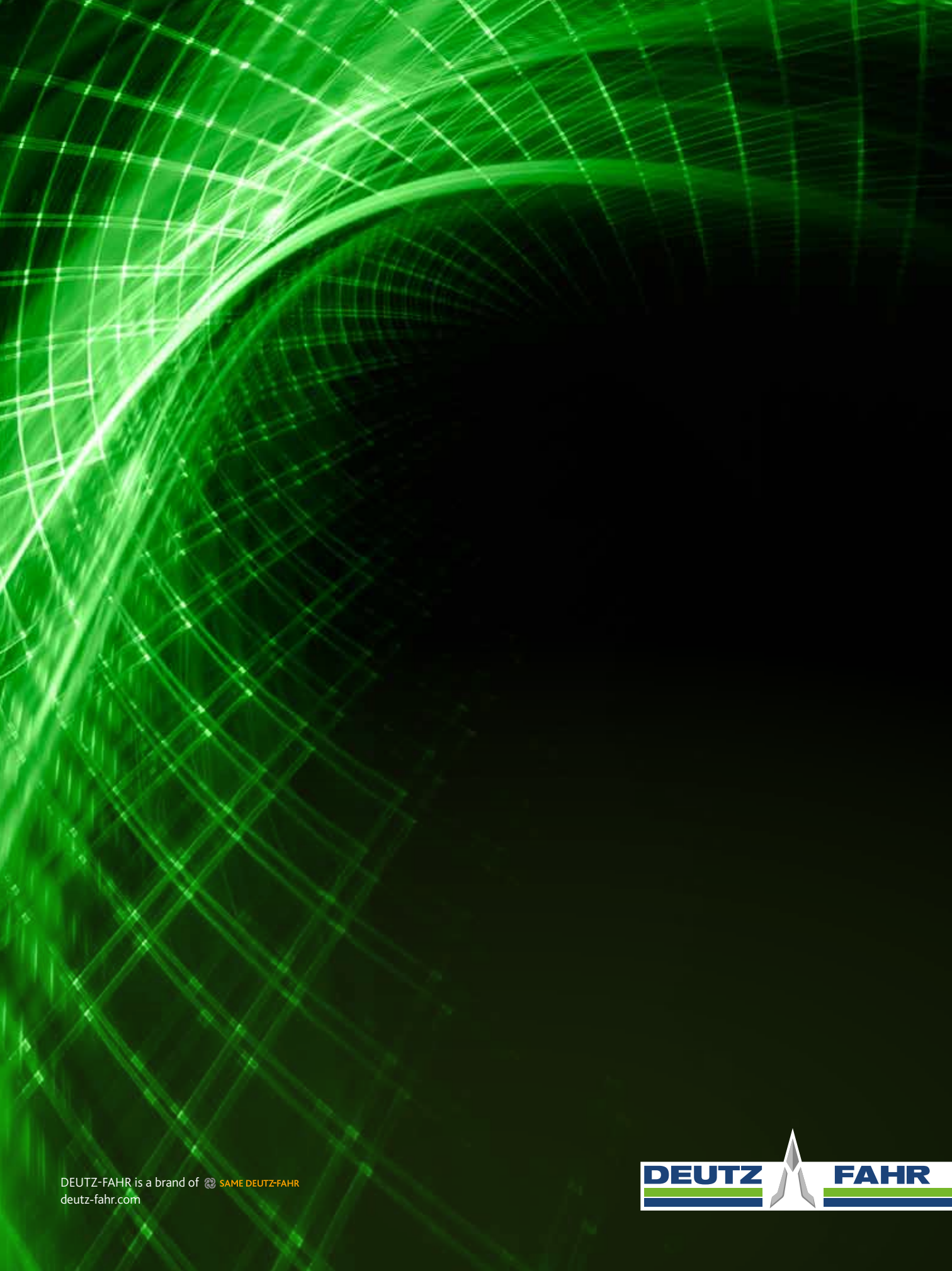
## NEW CAB COMMANDER CAB V.


Generously equipped with numerous lights and features such as electrically powered double curvature convex rear view mirrors, the cab fits in perfectly with the new style, while its superb visibility is an invitation to take control of the new DEUTZ-FAHR Series C9000. The comfortable drivers seat, upholstered in new dust-proof soft-touch materials and offered in a new colour scheme, caters for the needs of even the most demanding driver. A 21 litre portable refrigerator incorporated in the passenger seat is highly versatile and operates at any ambient temperature. The completely new steering wheel and steering column have been specifically designed for maximum ergonomic benefit and superb levels of comfort, whether driving in the field or on the road.

## MAXI CROP.

The outstanding performance and fuel efficiency of the new harvesters has also been made possible by the revised "Maxi-Crop" threshing system, which combines an extraordinary range of capability - with its exclusive variable section concave - with the robustness and the adaptability required to work with all possible crop types and in all conditions. With the centrifugal drum and turbo separator, the productivity and hourly output capacity of the combine is significantly increased, whatever harvesting conditions are encountered. The benefit of the exclusive 5-position electric adjustment feature is that the separating action can be varied to suit the characteristics of the threshed crop, and in the case of cereal crops, the quality of the straw is preserved for subsequent baling operations. The Turbo Separator is fitted with special wear-resistant plates to protect the separator bars.





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