



New 5 Series.
Versatility without limits.



The new DEUTZ-FAHR 5 Series sets a new benchmark for style, efficiency, productivity and comfort in the medium horsepower segment.

State-of-the-art machines, designed to deliver maximum versatility, with a wide choice of equipment options capable of satisfying even the most demanding user.

Distinctive styling by Giugiaro Design gives the 5 Series an attractive futuristic look. A captivating blend of power and elegance.

GIUGIARO
DESIGN



*New DEUTZ-FAHR 5 Series.
The best in any field.*

*5100 - 5110 - 5120
5110 - 5120 - 5130 TTV*



Big power, small package.

Just a little over 4 metres long, the new DEUTZ-FAHR 5 Series incorporates a range of the most innovative modular technologies to maximise efficiency in all operating conditions.

Four models from 100 to 130 hp, available in standard, "P" and TTV versions; with a new generation of eco-friendly engines and innovative transmissions, including mechanical, Powershift and continuously variable options, an "intelligent" hydraulic system and a full complement of PTOs as standard; these are the features that make the 5 Series the perfect tractor for all requirements.

The basic version, which has the option of a suspended front axle, offers one of the most complete equipment packages currently available on a medium power tractor. The safety credentials are also first rate: all models are equipped with Park Brake as standard, while "P" and TTV versions have Power Brake as part of an authentic all-wheel braking system. No limitations when it comes to drawbar work, either, with a load capacity of 20 tonnes on the 5120 and 5130 models, this being maximum permissible for an agricultural vehicle.

*Technology that commands respect.
And helps protect the environment.*

The new Deutz 4-cylinder Tier 4i engines, with a displacement of 3,620 cc, electronically controlled common rail injection, turbocharger and intercooler, proportional viscostatic fan, ensure performance, reliability and durability of the highest levels. Emissions are reduced to a minimum by external recycling and water cooling of the exhaust gases (EGR) combined with Diesel Oxidation Catalyst (DOC) exhaust after-treatment,

The agricultural heritage of these extraordinary engines is clearly demonstrated by a torque delivery that is pretty much constant and close to the maximum over a wide engine speed band, which is, in fact, the speed band most used in agricultural applications. The environmentally-friendly disposition of the 5 Series is underlined by the wide use of eco-compatible materials in the production cycle.

*Comfort and control
without compromise.*

The new "E Class" cab installed on the 5 Series, the result of a collaboration between DEUTZ-FAHR engineers and Italdesign Giugiaro, offers an extremely functional working environment with comfort of the highest level. Extremely wide choice of options: mechanical or hydraulic suspensions for both the cab and the driver's seat, passenger seat, high visibility roof, Comfortip and automatic climate control.

Smart design and innovative materials, interior colour schemes that are both practical and attractive, optimal visibility and a carefully designed control layout put the DEUTZ-FAHR 5 Series at the top of the class for a medium power tractor. The Work Display provides a simple, intuitive interface on which the operator can set the main parameters of the tractor.



Transmission options aplenty.

The concept of modularity, adopted right from the start of the design process, finds full expression in the wide range of transmission options available for the new 5 Series. The options start with a mechanical synchronised gearbox with 10 speeds available in both forward and reverse (5 gears x 2 ranges), offering maximum efficiency. Next up comes a 20+20 gearbox (5 gears x 4 ranges), and then we come to the Powershift options. Here there is a choice of 30+30 or 60+60, with three Powershift ratios, and a top speed of 40 km/h that can be attained even at economy engine speed.

And there's more. The new 5 Series can also be equipped with the continuously variable TTV transmission, which covers all possible driving requirements with 2 ranges, ("Transport" and "Heavy Duty") and a choice of 3 different operating strategies: Auto, PTO and Manual. And to help maximise operating economy, there are the Cruise Control and Power Zero functions.

Dedicated to innovation.

All 4 standard PTO speeds are available (540, 540ECO, 1,000 and 1,000ECO), complemented by a hydraulically controlled wet multiplate clutch. Allowing the extraordinary performance of the Deutz engine to be exploited to the full with all types of implement. Operation of the PTO couldn't be more simple: electro-hydraulic controls and an LCD display indicating the actual rotation speed. To operate all types of implement in optimal conditions. The PTO start button in the cab is replicated on the rear fenders; there is also the automatic control function whereby engagement and disengagement of the PTO is determined by the height of the implement attached to the rear 3-point linkage. Along with the front linkage, there is the option of a front PTO, operating at the usual 1,000 rpm. The package is completed by a ground speed PTO with independent output shaft.



A technologically advanced hydraulic system.

Even on those operations which require a 100-130 hp tractor, modern agricultural applications often require generous oil flows to supply a large number of control valves. DEUTZ-FAHR responds to this need by equipping the new 5 Series with a hydraulic system consistent with the modular design concept: single or tandem pump, with capacities of 60, 60ECO or 90 l/min, up to 10 hydraulic service couplers, to satisfy the most demanding user. But it doesn't end here: other available features include Power-Beyond, a choice of mechanical or electrohydraulic controls, flow control, remote valve timer and the Energy Saving function. The totally innovative "ECO" versions produce maximum oil flow at an engine speed of just 1,600 rpm, further enhancing the efficiency of the tractor.



State-of-the-art engineering for maximum power.

Precision control with champion performance: the rear lift on the new 5 Series has a lifting capacity of 4,650 kg at the link arm ends, which can be increased to 6,600 kg with the addition of two external hydraulic cylinders. A record for a tractor in this class.

The EHR electronic control system, with sensors located near the lower links, is standard equipment, and provides mixed and float control in addition to the usual draft and position control functions. With the optional radar, it is also possible to control wheel slip, a key factor in maintaining high efficiency in rear linkage applications.

The EHR control system also includes rapid soil engagement, oscillation damping during transport of implements on the 3-point linkage, locking in a preset position, lift height limiting and drop rate control.

The maximum front hitch lifting capacity (optional) at the link arm ends is 1,800 kg.

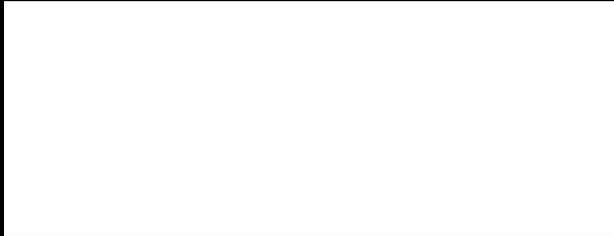


TECHNICAL DATA		5 SERIES		
		5100 4WD	5110 4WD/2WD	5120 4WD
ENGINE				
Engine	Type	Deutz TCD 3.6 L 04 Tier 4i		
Cylinders/Displacement/Injection	n°/cc	4 T I/3,620/Common Rail		
Power @ rated speed (2,200 rpm)	kW/hp	69.5/95	77/105	85.5/116
Maximum power (@ 2,200 rpm)	kW/hp	72.5/98.5	81/110	89.5/122
Maximum torque (@ 1,600 rpm)	Nm	397	440	480
Torque rise	%	32	32	30
TRANSMISSION AND AXLES				
Type		Mechanical or 3-stage Powershift HML		
No. of speeds: 5 gears x 2 (or 4) ranges	FWD + REV	10 + 10 (20 + 20 with Underdrive and Creeper) 30 + 30 HML (60 + 60 HML with Underdrive and Creeper)		
Top speed	km/h	40/40 at ECO engine speed/50		
Shuttle		Powershuttle		
Electrohydraulic 4WD/diff lock engagement		std/ASM optional		
Front axle suspension		opt		
Braking on all 4 wheels		std/Power Brake optional		
Parking brake		Park Brake std		
Trailer brake		Air/Hydraulic (or both)		
HYDRAULICS AND PTO				
Electronic rear linkage		std – (4,650 or 6,600 kg)		
Pump capacity	l/min	60 (std)/60ECO (opt)/90 (opt)		
Remote valves	ports	6/8/10/Power-Beyond		
Remote valves control		Mechanical (std)/Electrohydraulic (opt)		
Speeds	rpm	540/540 E/1,000/1,000 E		
Ground speed PTO		opt		
Front linkage and front PTO (lifting capacity - speed)		opt (1,850 kg – 1,000 rpm)		
PTO engagement control		Electrohydraulic		
CAB				
"Class E" cab with new interior		std		
Mechanical or pneumatic suspension		opt		
DIMENSIONS AND WEIGHTS				
Wheelbase	mm	2,430	2,430/2,470 ^{2WD}	2,440
Track width (min-max)	mm	1,602 - 2,002	1,602 - 2,102	1,602 - 2,102
Weight (may vary according to version)	kg	4,150	4,300	4,700
Cab height	mm	2,690	2,715	2,765
TYRES				
Standard rear tyre		480/70 R34"	520/70 R34"	520/70 R38"

TECHNICAL DATA		5 SERIES		
		5110 TTV 4WD/2WD	5120 TTV 4WD	5130 TTV 4WD
ENGINE				
Engine	Type	Deutz TCD 3.6 L 04 Tier 4i		
Cylinders/Displacement/Injection	n°/cc	4 T I/3,620/Common Rail		
Power @ rated speed (2,200 rpm)	kW/hp	77/105	85.5/116	88/120.5
Maximum power (@ 2,200 rpm)	kW/hp	81/110	89.5/122	90/126.5
Maximum torque (@ 1,600 rpm)	Nm	440	480	480
Torque rise	%	32	30	28
TRANSMISSION AND AXLES				
Type		Continuously variable TTV transmission		
No. of speeds: 5 gears x 2 (or 4) ranges	FWD + REV	Heavy Duty (work) range: 0- 23 km/h Transport range: 0 - 50 km/h (40ECO)		
Top speed	km/h	40/40 at ECO engine speed/50		
Shuttle		Powershuttle		
Electrohydraulic 4WD/diff lock engagement		std with ASM		
Front axle suspension		opt		
Braking on all 4 wheels		Power Brake std		
Parking brake		Park Brake std		
Trailer brake		Air/Hydraulic (or both)		
HYDRAULICS AND PTO				
Electronic rear linkage		std – (4,650 or 6,600 kg)		
Pump capacity	l/min	60 (std)/60ECO (opt)/90 (opt)		
Remote valves	ports	6/8/10/Power-Beyond		
Remote valves control		Mechanical (std)/Electrohydraulic (opt)		
Speeds	rpm	540/540 E/1,000/1,000 E		
Ground speed PTO		opt		
Front linkage and front PTO (lifting capacity - speed)		opt (1,850 kg – 1,000 rpm)		
PTO engagement control		Electrohydraulic		
CAB				
"Class E" cab with new interior		std		
Mechanical or pneumatic suspension		opt		
DIMENSIONS AND WEIGHTS				
Wheelbase	mm	2,430/2,390 ^{2WD}	2,440	2,440
Track width (min-max)	mm	1,602 - 2,002	1,602 - 2,102	1,602 - 2,102
Weight (may vary according to version)	kg	4,350	4,600	4,900
Cab height	mm	2,715	2,765	2,740
TYRES				
Standard rear tyre		520/70 R34"	520/70 R38"	540/65 R38"

Technical data and pictures are guideline only. Committed to delivering a product more and more in line with your needs, DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice.

For more information, contact your DEUTZ-FAHR dealer:



The use of SDF original lubricants and coolants is recommended.



DEUTZ-FAHR is a brand of
5series.deutz-fahr.com

