

SERIES 5



5095 // 5100 // 5105 // 5115 // 5125

STAGE V



**DEUTZ
FAHR**

// SERIES 5

EXCELLENT AGILITY

The Series 5 consists of the most modular, flexible tractor models on offer in today's mid-power segment. The astonishing agility of these machines has been made possible by both a generous steering angle and many other innovative solutions, such as the PowerShuttle with adjustable response, the SDD system, Stop&Go and the Powershift with automatic function (APS).

OUTSTANDING COMFORT

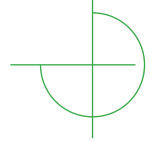
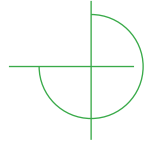
Superior comfort on board these machines is ensured by features such as the Hydro Silent-Blocks cab suspension, seats with air sprung suspension, fully adjustable steering column, passenger seat, high visibility roof, DAB+ radio, two USB ports, practical smartphone holder, an effective air conditioning system and up to 16 work lights.



Series 5.

SUPERIOR FLEXIBILITY.



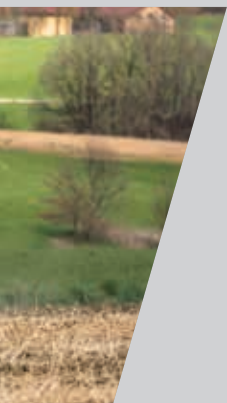


CLASS-BEATING EFFICIENCY AND SAFETY

Making every task more efficient and productive than ever are a maximum road speed attainable at a lower, economical engine speed, a transmission with 3 stage Powershift HML with Automatic Powershift (APS), wet disc brakes on all four wheels, a Hydraulic Parking Brake (HPB) and an automatic PTO on/off function.

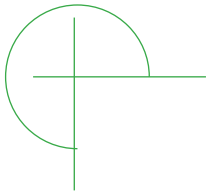
EXTREMELY VERSATILE

FARMotion 35 and FARMotion 45 engines, transmissions with up to 60+60 speeds, up to 90 l/min hydraulic oil flow, 4 PTO speeds, electronic rear lift, electrohydraulically functions, lifts and PTOs at both the rear and front of the tractor, Ready Kit predisposition for front loader application.




The Series 5 consists of the most modular, configurable and flexible models in this segment, to offer the ideal solution for the needs of any user.

The models of the Series 5 are the perfect solution for open field work, row crops, hay-making, working in the cowshed and stationary tasks. Contributing to the extraordinary versatility of these tractors are a number of outstanding features such as the electrohydraulically differential locks, four wheel drive and PTO engagement, the electronically controlled rear lift, a PTO with all four standard speeds plus a groundspeed with independent output shaft, a hydraulic system capable of delivering up to 90 l/min and with up to 8 rear couplers, the HML transmission with Automatic Powershift (APS), a choice of creeper and supercreeper gears, two user-settable and recallable engine speed memories, a comprehensive choice of tyre sizes to cater for every possible application, alongside a wide range of track widths, and generous ground clearance.



// VERSATIL



The Series 5: ideal for every possible application.

LITY



// ENGINE

Conceived specifically for agriculture.

As well as meeting the requirements of Stage V emissions regulations, the FARMotion engine family is also extremely compact. This has made it possible to give the tractor a compact, sloped cowl design, ensuring excellent visibility from the driver seat and allowing for generous steering angles. The Series 5 is equipped with a choice of 3 cylinder FARMotion 35 or 4 cylinder FARMotion 45 engines – the former for greater manoeuvrability and agility, the latter for heavy draft applications.

EFFICIENCY

The Common Rail fuel injection, capable of injection pressures up to 2000 Bar and managed entirely electronically, improves combustion by ensuring more effective fuel atomisation, significantly reducing fuel consumption, noise and emissions. The high injection pressures also allow the engine to respond more quickly to sudden, significant changes in load. A dedicated electronic control unit optimises fuel delivery in real time in response to engine speed and load. The ECU also includes a speed management function allowing the operator to set and recall minimum and maximum engine speed limits for specific tasks or maintain a constant engine speed.

IMPROVED PERFORMANCE

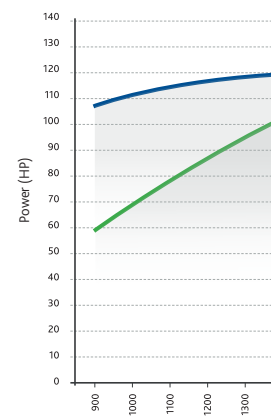
Boasting improved torque and power curves, these engines respond more rapidly to changes in load and deliver more usable performance even at lower engine speeds.

The flagship model 5125 can reach a maximum power of 126 HP and an impressive torque of 517 Nm.

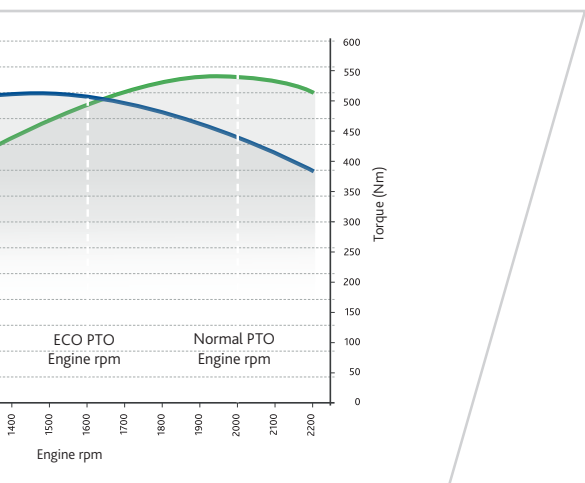


HIGHLIGHTS

- > Stage V compliant
- > Electronic Common Rail high-pressure injection system
- > Two user-settable engine speed memories
- > Easy maintenance



> 5125 engine figures.



> FARMotion 45 engine.

// TRANSMISSION AND PTO

Unparalleled configurability.

In accordance with a modular concept, all transmission variants of the Series 5 are based on a 5-speed gearbox unit, which can be combined with a comprehensive choice of options to configure the perfect solution for every possible necessity. The first of these options is a choice between a synchronised mechanical reverse shuttle or an hydraulic PowerShuttle, while a choice of either two or three Powershift steps is also offered. Both versions reach 40 kph at reduced engine rpm. Further options include a creeper and supercreeper ranges, which not only double the number of forward and reverse speeds available, but also let the tractor work at ground speeds as low as just 300 metres/hour with the engine at maximum rated power speed. HML transmissions are now available with the Automatic Powershift (APS) function, which automatically selects the ideal Powershift in according to the engine load.

Other important feature include with the PowerShuttle is the renowned Stop&Go function.

The PTO is controlled by a multiple wet disc clutch, which is operated electrohydraulically by simply pressing a button to ensure seamless, precise engagement and disengagement in all conditions. External PTO controls mounted on the rear mudguards are also available. Working with PTO powered implements is now more productive than ever, with every possible speed mode available (540/ 540-540ECO / 540-540ECO-1000-1000ECO) and quickly interchangeable PTO shafts. The groundspeed PTO has a fully independent output shaft, while a 1000 rpm front PTO is also available as an option. The Auto PTO function, on the other hand, can be used to automatically engage and disengage the PTO in relation to the position of the electronic rear lift.



> Powershift transmission controls and APS management.



> PowerShuttle with adjustable response.



> Front and rear PTO electrohydraulically engaged and Auto PTO function.



HIGHLIGHTS

- > Modular concept
- > 3 step Powershift with APS
- > PowerShuttle with adjustable response and Stop&Go
- > Up to 4 PTO speeds



// HYDRAULICS AND LIFTS

Class beating performance and extraordinary configurability.

To cater for the needs of any application, the Series 5 is offered with a choice of two base hydraulic system variants, one with a 55 l/min capacity single pump, and another with a 90 l/min double pump with an "on-demand" electronic system that allow to use the maximum hydraulic power only when required. In addition the steering of the Series 5 is always supplied with an independent pump with 40 l/min. All tractors are equipped as standard with two (or, as an option, three) mechanically controlled double acting rear hydraulic valves with flow regulator and free return. An additional optional double acting on/off rear distributor, controlled electrohydraulically from the driver seat with a rocker switch, is also available, for a total of up to 4 rear hydraulic valves. All mechanical distributors are equipped with a mechanical "detent" function for the control lever, allowing for a continuous flow of oil.

The powerful rear lift, which is renowned for its excellent precision and superior efficiency, offers class-beating performance. The Series 5 features the proven mechanically controlled rear lift as standard, but can also be equipped with a version with all-electronic control, which introduces a number of practical extra functions, such as maximum lift height limiting, drop rate control, an oscillation damping system and Auto PTO function. The rear lift has a maximum capacity of over 5400 kg (depending on models) and a Category II 3-point linkage. As an option, a factory-fitted 2100 kg capacity front lift is also available.



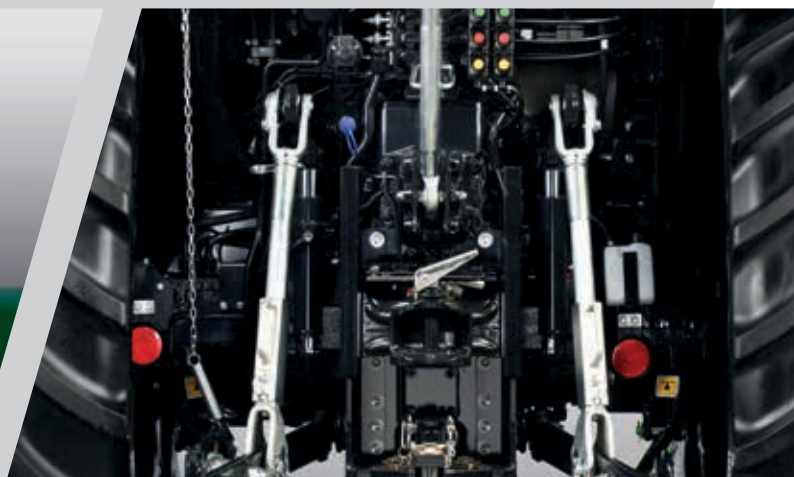
> Ergonomic layout of rear lift controls and hydraulics levers.

HIGHLIGHTS

- > Double pump 90 l/min hydraulic system
- > Up to 4 double acting rear hydraulic valves
- > Independent steering pump with up to 40 l/min
- > Electronic rear lift
- > 5425 kg maximum lift capacity
- > Front lift availability



> External controls for rear lift and PTO.



> Rear lift and hydraulics outlets.

// TOPVISION CABIN

A modern, luxurious cab with just 4 pillars.

The state-of-the-art design with only 4 pillars, the generously sized cab window and the sloped profile of the monolithic hood ensure excellent all-round visibility in all conditions, even at night – with up to 12 powerful LED work lights (6 front + 6 rear) installable on the roof. The TopVision cab offers outstanding levels of comfort, with features such as the innovative Hydro Silent-Blocks cab suspension, which reduce the vibration transmitted to the operator by up to 40% compared with conventional one.

With a fully adjustable telescoping steering column and a multi-setting suspended seat, operators of any height can find the perfect driving position. Low noise levels, superior quality trim materials and ergonomically organised controls and instruments make this cabin an impeccably comfortable working environment. The many other options on offer include a factory-fitted bracket for mounting a monitor or other supplementary device for controlling implements, a passenger seat, a DAB+ radio system, numerous electrical power sockets (including 2 USB ports) and a practical smartphone and cup holders.

The opening windscreen and rear screen allow for excellent ventilation, while to keep the interior cool in hot conditions, a potent air conditioning system with 10 vents feeds purified air into the cab via specific filters (active carbon filters also available as an option).



> DAB+ radio with Bluetooth and USB.



> Backlit right console for a perfect visibility at night.



// FRONT LOADER

Designed and built specifically for the Series 5.

A dedicated front loader to further extend the versatility of the tractor.

Two versions of kits for subsequent installation of a front loader – named Light Kit and Ready Kit – are available, both of which factory-installed. Both kits feature a special frame for mounting the front loader, while the Ready Kit also adds a joystick situated next to the driver and all hydraulic and electric connections.

A dedicated rear ballast weight is available to ensure correct weight distribution between the front and rear axles and protect the front axle against excess mechanical stress.

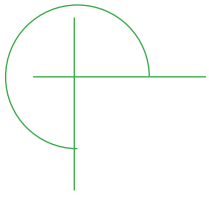
A choice of three models of front loader is also offered, denominated Solid, FS and FZ. The key features and characteristics of these loaders include: mechanical parallelism control with z-kinematics and tip, quick dump and return to level (RTL) functions, which significantly save time.

With control rods integrated in the loader arms and a flat cross tube, these front loaders ensure excellent forward visibility. The hydraulic ways are routed inside the loader arm, offering adequate protection for the lines themselves and giving the loader a compact, uncluttered appearance.


For even greater capability and productivity when working with front loaders, the Series 5 offers a hydraulic PowerShuttle with adjustable response (5 different levels of reactivity), the renowned Stop&Go function, which lets the driver stop the tractor and set off again using the brake pedals alone and without having to operate the clutch, up to 90 l/min of hydraulic flow, a high visibility cab roof FOPS compliant and an independent steering pump with the possibility to have the SDD system to increase the manoeuvrability.







// CONFIG



Designed around your needs, the Series 5 offers a fully customizable configuration: every detail can be tailored to perfectly suit your business and help you achieve your goals.

URABILITY



// OPTIONAL EQUIPMENT

Everything you could ever need.

A vast range of accessories and a comprehensive choice of options allow operators to build the ideal machine for their specific needs. The many options available include almost every type of hydraulic and pneumatic trailer braking system possible, making this range of tractors ideal for even heavy duty road transport applications. 5115 and 5125 models can also be equipped with the Hydraulic Parking Brake (HPB), which offers up 250% of the braking power of a conventional system, to hold the tractor safely even on steep gradients and when heavily loaded. This innovative solution also reduces power losses compared with a conventional system by an impressive 1.5 kW (approximately 2 HP), maximising the efficiency of the machine and saving fuel. Other important options available to extend the versatility of this range include a choice of different wheel types and sizes (fixed rim, flanged and adjustable track), and numerous approved tyre variants suitable for open field applications, secondary tillage tasks for row crops and road usage. A choice of different front and rear mudguard configurations is also offered, as well as front and rear monolithic and suitcase ballast weight, and ring ballast weights for the rear wheels. Lastly, the models of the Series 5 can also be ordered with a specific high visibility orange colour scheme for road maintenance applications.



> Narrow tyres for row crop application.



> HPB (Hydraulic Parking Brake).



> Municipal equipment.

// WORK LIGHTS

A light pack for working at night as effectively as during the day.

These tractors also offer unrivalled configurability in terms of exterior lighting, letting operators tailor their machines specifically to the needs of their work.



1 or 2 Rotary beacons

Working lights on the cab roof

Upper headlights on front cab post

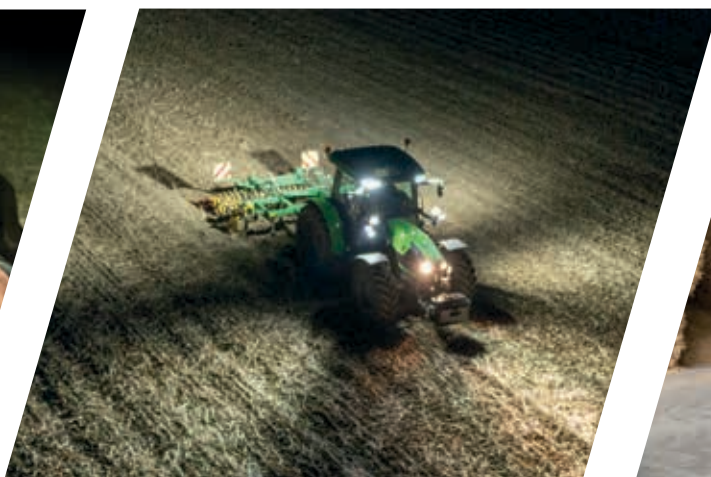
Driving lights

Working lights on front cab pillars

Working lights on bonnet


Front headlights on bonnet







SDF Smart



Delve into DEUTZ-FAHR's innovative digital solutions that enhance the efficiency and productivity of farmers and contractors.



Farming Solutions



// AGRICULTURE 4.0: FULLY CONNECTED

State of the art technology for total connectivity.

Optimise operations. Increase efficiency. Linking machines, to the office and to any other external sources simplifies various work processes. SDF Smart Farming Solutions offer practical solutions for managing key data and staying connected at all times. The user is completely free to make his own choices and decisions at any time, while all data remain the sole property of the user.

To allow customers to insight data from their 5 Series in real time, independent from time and position, the 5 Series can be equipped with a CTM module. The CTM module is a state-of-the-art data transmission device for connecting the tractor to the farm or any other endpoint worldwide. The CTM is equipped with an integrated e-SIM which allows to send and receive various data for different applications (e.g. data transmission from the CAN-BUS).

SDF Fleet Management

With SDF Fleet Management application, SDF offers customisable solutions for the real-time management of key data concerning the operation of the machine. Our clients benefit significantly from being in total control of their machines and from the ability to manage a host of vital data, such as tracking data relative to activities. The SDF Fleet Management suite of applications is the centralised control interface for analysing telemetry data from DEUTZ-FAHR machines. Tractor data is transmitted in real time over a mobile internet connection to the application, which allows users to analyse, monitor and even optimise the use of their machinery.

The "map" view shows the location and status of machines or an entire fleet, and can also display historical data. On request, you can set up virtual fences to receive warnings if a machine leaves the area. Error messages may be forwarded to the technical support team of the dealership, and used to predict failure and reduce unnecessary machine down time.



> Connect the Series 5 models with your dealer for fast and comfortable support.



> SDF Fleet Management gives access to machine relevant data at all time.



TECHNICAL DATA	SERIES 5					
	5095	5100	5105	5115	5125	
ENGINE						
Type		FARMotion 45	FARMotion 35	FARMotion 45		
Emission level		Stage V				
Aspiration		Turbo Intercooler				
Injection @ pressure	Type	Common Rail @ 2000 bar				
Cylinders/Displacement	n°/cc	4/3849	3/2887	4/3849		
Max. power @ 2000 rpm	kW/HP	70/95	75/102	78/106	85/116	93/126
Rated power @ 2200 rpm	kW/HP	66.4/90	71.1/97	74/101	80.6/110	88.2/120
Max. torque @ 1400 rpm	Nm	389	417	433	472	517
Torque rise	%	35				
Fuel tank/AdBlue	l	135/8		145/10		
TRANSMISSION						
Mechanical Shuttle		●				
PowerShuttle with Stop&Go		○				
Max. speed		40 km/h at economy engine speed				
MECHANICAL TRANSMISSION						
N° of speed	n°	10 + 10 or 20 + 20 with creepr and underdrive				
HI-LO TRANSMISSION						
N° of speed	n°	20 + 20 or 40 + 40 with creepr and underdrive				
3 POWERSHIFT (HML) TRANSMISSION						
N° of speed	n°	30 + 30 or 60 + 60 with creepr and underdrive				
PTO						
Electrohydraulic engagement		●				
PTO speeds		540/540ECO/1000/1000ECO				
Groundspeed PTO		○				
Front PTO 1000		○				
LIFT						
Mechanical rear lift		●				
Electronic rear lift		○				
Rear lifting capacity (STD/OPT)	kg	3600/4525		4855/5410		
Rear lift link category	Cat.	II				
Front lift (2100 kg)		○				
HYDRAULICS						
Single pump hydraulic system (STD)	l/min	55				
Double pump hydraulic system with electronic "On Demand" (OPT)	l/min	90				
Rear spool valves	degrees	2/3/4				
BRAKES						
4 wheel braking		●				
Mechanical parking brake		●				
Hydraulic Parking Brake (HPB)		-				
Hydraulic trailer brake		○				
Pneumatic trailer brake		○				
FRONT AXLE						
Steering angle	degrees	50		55		
Electrohydraulic engagement for 4WD and Diff.Lock		●				
Independent steering pump		●				
Steering Double Displacement (SDD)		○				
CAB						
High visibility roof		○				
Manual A/C		○				
Activated carbon air filter		○				
Pneumatic suspended seat		○				
Passenger seat		○				
Openable front windows		○				
LED working lights		○				
DAB radio with Bluetooth and USB		○				
Bracket for external monitor / device		○				
External controls on rear mudguards (rear lift and PTO)		○				
SPECIAL TYRES FROM FACTORY (besides standard agricultural sizes)						
Municipal tyres	Size	230/95 R32 front 270/95 R44 rear		270/95 R32 front 270/95 R46 rear		
Municipal tyres		1498-1898		1496-2008		
Municipal tyres	Size	-		400/80 R24 front 480/80 R34 rear		

● = standard ○ = option -- = not available



TECHNICAL DATA		SERIES 5				
		5095	5100	5105	5115	5125
DIMENSION						
With front tyre	Size	380/85 R24			420/70 R24	
With rear tyre	Size	420/85 R34			480/70 R34	
Wheelbase (A)	mm	2400	2350	2400		
Max. length (B)	mm	4407	4357	4407	4436	
Total height (C)	mm	2682			2717	
Centre rear axle – cab (D)	mm	1932			1967	
Width (E)	mm	2060			2209	
Front tracks with adjustable rims (min.-max.)	mm	1661-1975			1730-2130	
Rear tracks with adjustable rims (min.-max.)	mm	1602-2002			1706-2106	
Weight	kg	3950	3800	3950	4250	4350
Total admissible load	kg	6500			7000	7500


Technical data and figures are only provided for guidance. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

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