

# SERIES DV/DS/DF 5DF ECOLINE.



SPECIALIST TRACTORS  
FROM 75 TO 113 HP





# SERIES DV/DS/DF 5DF ECOLINE.

## Cab.

The 4-post cab with all-round glazing allows for optimal view of all mounting areas. Conveniently located, colour coded operating elements ensure a pleasant working environment. > PAGE 18

## Engine.

The ultra-modern 3- or 4-cylinder common rail engines were specially developed for the agricultural. The new engines are designed for the most demanding applications and convince with their slim design, optimum torque and maximum performance with low consumption. > PAGE 10

## Front axle suspension.

The independent suspension with double wishbones provides independent suspension of the front wheels. This ensures high driving comfort and safety on any surface. > PAGE 4



# MAXIMUM CHOICE OF MODELS.

For maximum productivity.

From vineyard and orchard work to gardening, landscaping and municipal applications – maximum productivity and flexibility are the basic requirements for achieving a financially successful business. With the 5DV/DS/DF and 5DF Ecoline series, DEUTZ-FAHR has released a generation of specialist tractors that fulfil the most stringent requirements in terms of productivity and equipment flexibility. The engine, cooling system and fuel tank are compactly housed under the bonnet. Combined with the geometry of the front axle frame, this achieves a steering angle of up to 60°. This, plus the shortest wheelbases in this class, makes the DEUTZ-FAHR specialist tractors

the most manoeuvrable on the market – and they are also the most innovative, with a variety of technical highlights such as independent suspension on the front axle, high-efficiency FARMotion engines, 40 km/h ECO Powershift transmission and a wide range of hydraulic options. With numerous models, from 75 HP to 113 HP, and equipment variants ranging from ECO to high-tech, DEUTZ-FAHR offers the largest selection of models in this class. Every farm is guaranteed to find the ideal specialist tractor for its own specific applications and comfort requirements.



## Hydraulic system.

In addition to the standard hydraulic system, three different hydraulic variants are available for every requirement. Thus, up to 131 l/min pump capacity and up to 9 additional control valves are available. > PAGE 16

## Attachment areas.

At the rear, 2,800 kg lifting capacity is available, 1,500 kg at the front, allowing the operation of various implement combinations. In addition, the 5DV/S/F is equipped with three PTO speeds and an optional ground speed PTO. > PAGE 14

## Transmission.

The 5-speed Powershift transmission provides up to 45 forward and reverse gears. The Stop & Go system allows comfortable starting and stopping without using the clutch. > PAGE 12

SERIES 5DV		5080 DV / DS / DF	5090 DV / DS / DF	5100 DV / DS / DF	5090.4 DV / DS / DF	5105 DV / DS / DF	5115 DV / DS / DF
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Emissions stage IIIB					
Cylinders / capacity	no. / ccm		3 / 2,887			4 / 3,849	
Max. power (ECE R120)	kW / HP	55.4 / 75	65 / 88	71 / 97	65 / 88	75 / 102	83 / 113

SERIES 5DF ECOLINE		5080 DF ECOLINE	5080.4 DF ECOLINE	5090 DF ECOLINE	5090.4 DF ECOLINE	5100 DF ECOLINE	5105 DF ECOLINE
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Emissions stage IIIB					
Cylinders / capacity	no. / ccm	3 / 2,887	4 / 3,849	3 / 2,887	4 / 3,849	3 / 2,887	4 / 3,849
Max. power (ECE R120)	kW / HP	55.4 / 75		65 / 88		71 / 96	









Want to save labour costs?  
And have no need to rely  
on outside labour? Without  
lowering your standards  
of grape quality? With the  
specialist tractors from  
DEUTZ-FAHR, you'll surpass  
all expectations. And your  
business will too.

---





# MAXIMUM COMFORT.

In any terrain.





↑ Better turning radius due to slimmer geometry of the front axle frame.



↑ Independent suspension of the front wheels with double wishbone design.



↑ 4-wheel brake system. Safety in all situations.

The DEUTZ-FAHR front axle concept is unique, making it a real highlight. Single-wheel suspension with a double wishbone design means independent suspension of the front wheels. This results in maximum suspension in all operating scenarios. The spring stroke of each individual wheel is controlled by an adaptive electrohydraulic system. This ensures that the wheel contact patch always touches the ground fully. The DTC (Differential Traction Control) system constantly monitors the wheel revolutions and always applies torque to the wheels during maximum ground contact. The innovative control system also gives the DEUTZ-FAHR specialist tractors maximum roll and direction

nal stability. Roll stabilisation prevents the front axle from diving and resultant load shifting (Anti-Dive), while directional stability prevents the vehicle from rocking (Anti-Roll). The slim geometry of the front axle frame enables a steering lock angle of up to 60°. The turning radius is reduced by 10 % to an average of 3 m. A hydraulic 4-wheel brake comes as standard, as do the electrohydraulic engagement of the four-wheel drive and 100 % differential lock. All this means that the front axle concept guarantees maximum wheel grip, traction, driving stability and safety for all ground conditions.



Whether you grow apples, cherries, plums or pears, reducing labour costs is the key to expanding your orchard business. Using DEUTZ-FAHR specialist tractors guarantees that your work will also bear fruit in the economic sense.

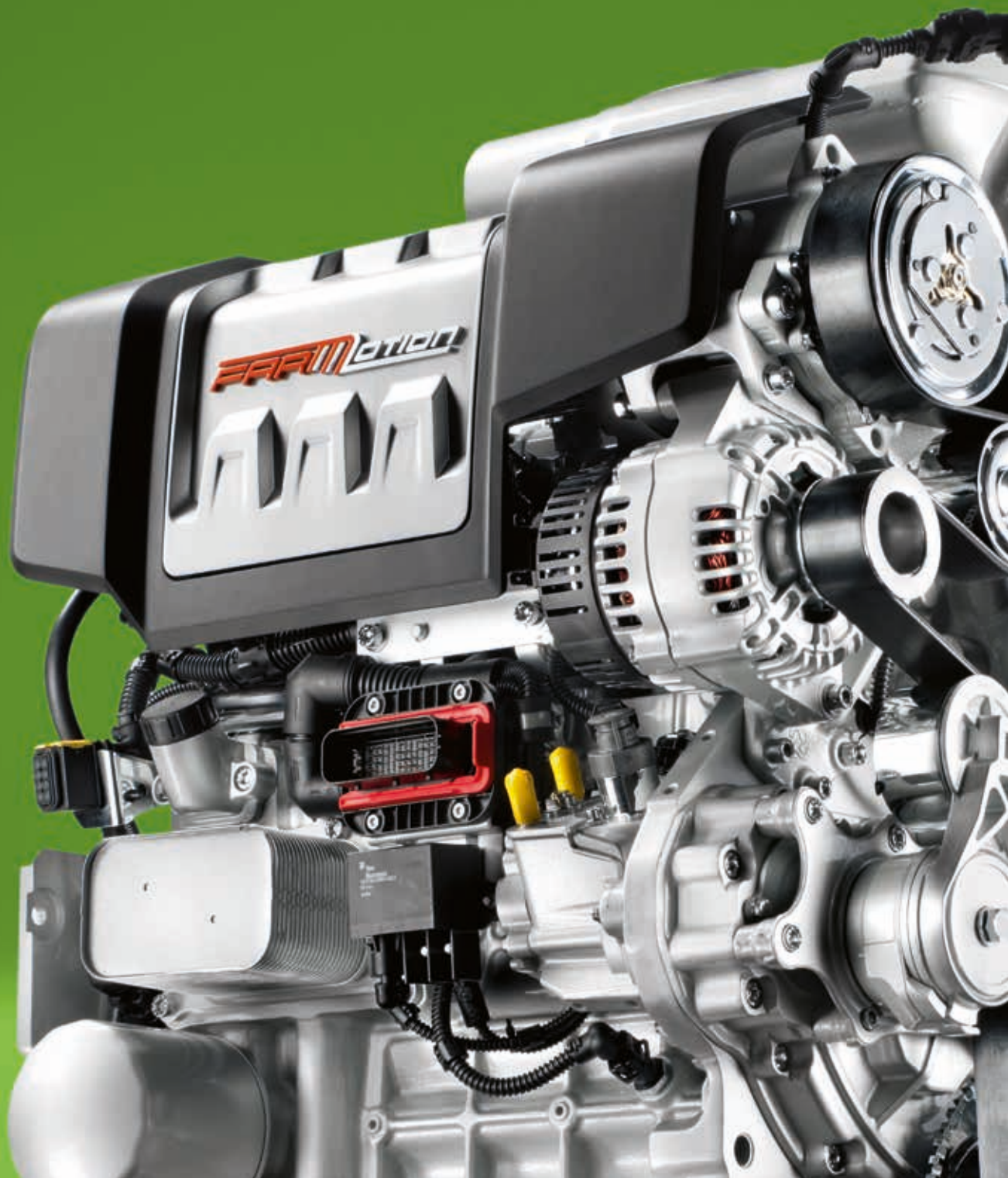
---











# MAXIMUM EFFICIENCY.

In a compact unit.

---





↑ The large redesigned cooling package, the improved air flow and the PowerCore air filter all support engine efficiency.



↑ Exclusive DOC system. Meets all emissions standards in one compact system without AdBlue.



↑ The fuel tank integrated into the front axle support can be filled even with the bonnet closed, while the auxiliary tank is located underneath the chassis.

Under the newly designed bonnet, there is a choice of compact 3- and 4-cylinder FARMotion engines, which meet the requirements of stage IIIB emissions regulations. Developed especially for agricultural applications, these common rail engines feature electronic injection, with a pressure of 2,000 bar, a new valve concept, enlarged cylinders, a new crankshaft design, an electronic EGR (Exhaust Gas Recirculation) engine management system and a DOC (Diesel Oxidation Catalyst) system, all of which means they deliver maximum performance and constant torque even at low speeds. Fuel consumption, emissions, vibrations and noise have been minimised. Other new features include

the compact cooling system with enlarged cooling surface, intercooling, a fuel cooling system, an air-conditioning condenser and optimised air flow, as well as the Powercore air filter with dust removal. Both systems support engine efficiency and are designed for long service intervals and fast, straightforward maintenance. The fuel tank is built into the front axle block and can be filled without opening the bonnet. It has a capacity of 55 litres. The tank volume can be increased by 40 litres (5DF models) or 30 litres (5DV / 5DS models) by adding an additional tank below the driver's platform.





⬆ Powershift. Shifting without using the clutch, at the push of a button.



⬆ Powershuttle. Change the direction of driving in one easy step.





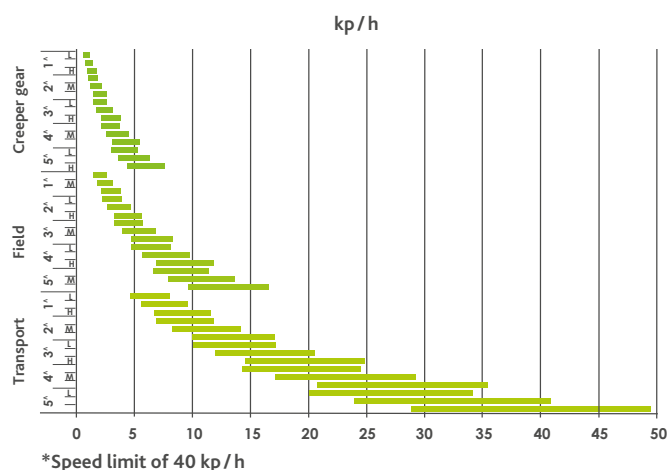
# MAXIMUM GEAR RANGE.

Shift as you like.

The transmission systems of the DEUTZ-FAHR specialist tractors have also been developed to meet the high demands of modern agricultural operations. Here, efficiency and versatility were the key criteria. The three-stage 5-speed Powershift transmission is unique in this tractor class. It provides up to 45 forward and up to 45 reverse gears. Gear changes can be carried out conveniently, at the push of a button on the gear shift lever, without having to engage the clutch. The Stop&Go system (GS) allows convenient starting and stopping without using the clutch. Select the transmission system that fits in ideally with your work profile and comfort requirements. For the 5DV/5DS/5DF models, a mechanical 5-speed transmission with up to 30 forward and 15 reverse gears is also available. The 5DF Ecoline models are equipped with this system as standard. Maximum speed of 40 km/h can be achieved with all models and tyres at reduced engine speed.



↑ Stop&Go. Convenient starting and stopping without engaging the clutch.







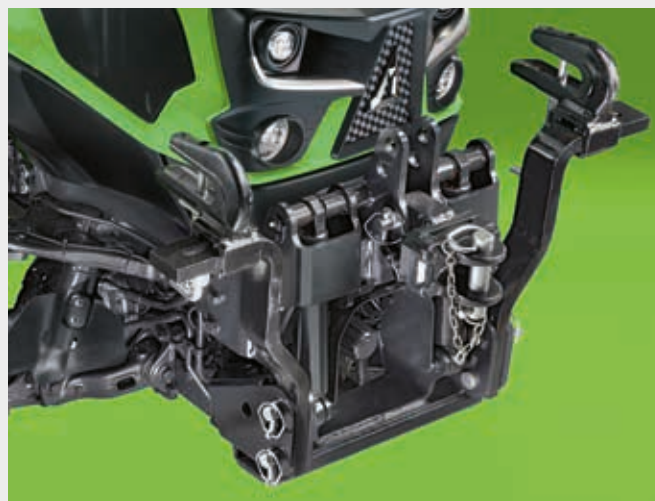
## Highlights 5DF Ecoline

- 50 l/min pump capacity
- Separate steering circuit
- Mechanical Power take-off control

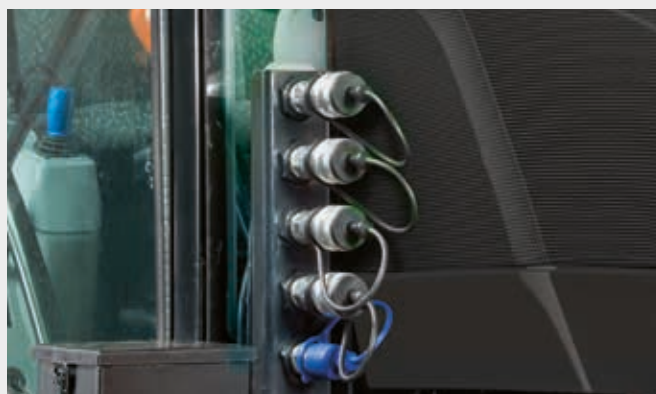
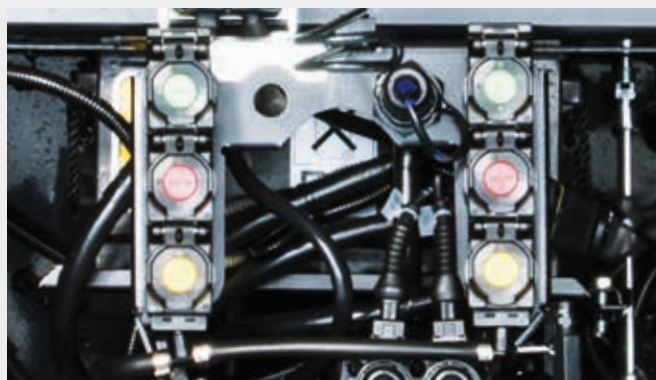
# TRIPLE THE INDIVIDUALITY.

Attachment areas at the front, in the middle and at the rear.





Front attachment area. Equipped for all equipment applications.



Up to six auxiliary control valves in the rear and front.

From vineyards to orchards, from tilling the land to tending and harvesting crops, and from municipal winter services to road and site maintenance: Versatility and adaptability are key strengths of the DEUTZ-FAHR specialist tractors. With a lifting capacity of up to 2,800 kg at the rear and 1,500 kg at the front, any conceivable combination of equipment can be easily moved. The rear linkage can be controlled electronically on request. On all 5DV/5DS/5DF models, two separate hydraulic circuits ensure full flow capacity for equipment operation, linkage and tractor functions. The standard hydraulic equipment consists of a fixed displacement pump with a capacity of 54 l/min and 3 additional control valves at the rear. An optional 64 l/min tandem pump is available for parallel operation of the rear linkage and

up to six auxiliary control valves at the front and rear. The 5DF Ecoline models are equipped with a 45 l/min pump and three control valves at the rear. DEUTZ-FAHR offers five defined hydraulic packages ranging from basic to high-tech, to ensure that the hydraulics fully match your operating profile. External operation of the rear linkage from the wing makes attaching work implements a safe and straightforward procedure. The range of PTO configurations is also highly varied. Three PTO speeds (540/540 ECO/1000) are standard at DEUTZ-FAHR. The PTO is activated via a button and electrohydraulic controls. This guarantees a smooth start without any jerking. A ground-speed PTO is available as an option.





# A HYDRAULIC SYSTEM.

To suit every need.

---

In addition to the standard hydraulic system, three different hydraulic variants are available to meet varying requirements (High-

Flow, Power-Flow, Setting-Flow). These differ in terms of the pump equipment as well as in the number of control valves (see table).



## High-Flow

- 4 control units (with flow controller), electronic operation via joystick, precise and simultaneous operation of multiple unit functions with low oil volume.



- 2 proportional electronic control units with high flow rate, volume and time control, instrument panel display, continuous flow, float position and kick-out functions.
- 2 pressureless return lines.

## Power-Flow

- Power-Beyond connection with pressureless return line.



- 2 proportional electronic control units with high flow rate, volume and time control, instrument panel display, continuous flow, float position and kick-out functions.
- 2 pressureless return lines.

## Setting-Flow

- 4 control units (with flow controller), electronic operation via joystick, precise and simultaneous operation of multiple unit functions with low oil volume.



- A single-acting control unit with pressureless return line.

		SETTING-FLOW	POWER-FLOW	HIGH-FLOW
1 tandem pump (transmission)		64	–	
2 tandem pumps (transmission + engine)	l/min	–	131 (64+67)	
Steering pump	l/min		45	
Number of front control units (right)	l/min	4 (with uniform mechanical flow rate control)	1 (Power beyond)	4 (with uniform mechanical flow rate control)
Number of front control units (left)	no.	1	2 (with high flow, volume and time control)	
12V sockets	no.		2	
Electronic joystick	no.		●	
Mechanical flow controller, front control units (right)			●	
Mechanical flow controller, front control units (left)		●		–
Electronic flow controller, front control units (left)		–		●
Floating position (no. of control units)	no.		2	4





# A WORKPLACE WITH THE BEST POSSIBLE OUTLOOK.

Everything in view.

---





Hydraulic and rear linkage operation. Neatly arranged to the right of the seat.



Operating lever for electronic additional control units, ergonomically positioned.



Seat variants with pneumatic or mechanical suspension and a variety of adjustment options are available.

Cab comfort has long since ceased to be a luxury, even when it comes to specialist tractors. A more pleasant working environment means less severe environmental factors such as cold, heat, dust or noise, resulting in longer periods of concentration and performance for the driver. The 4-post cab of the specialist tractors features all-round glazing and a one-piece windscreen, for optimum visibility in every direction. On the outside, the cab is compact and slim. There are no sharp edges that could damage crops. Inside, cutting-edge design and high-quality, light materials create a feel-good environment. Numerous noise-absorbing elements and other technical details have made it possible to minimise noise levels inside the cab. The air-conditioning system is powerful and ensures even air distribution. Seven adjustable ventilation nozzles keep the driver's preferred temperature constant throughout the cab. There are new seat

options for the driver. Variants featuring different suspension concepts, materials and settings options are available. All the controls are within easy reach, arranged according to how often they are used and colour-coded. Orange denotes anything pertaining to the tractor's driving functions, e.g. gearshift, Stop&Go function and also the parking brake. All the hydraulic control functions are blue. Green indicates the linkage operation and yellow the PTO functions. Black is reserved for lighting and air conditioning. The InfoCentre on the dashboard provides clear information to the driver about all the tractor's operating statuses via digital and analogue displays. It only takes a few minutes for the driver to get to grips with the DEUTZ-FAHR specialist tractors before being able to tackle the job at hand. Intuitive, extremely comfortable and productive.



In greenhouses, every square centimetre of production area counts. The challenge: To ensure workflows and transport logistics within the tiniest space. The extremely agile specialist tractors from DEUTZ-FAHR will help your employees to flourish as well.

---











# ADDITIONAL EQUIPMENT AVAILABLE EX WORKS.

The perfect equipment for every application.

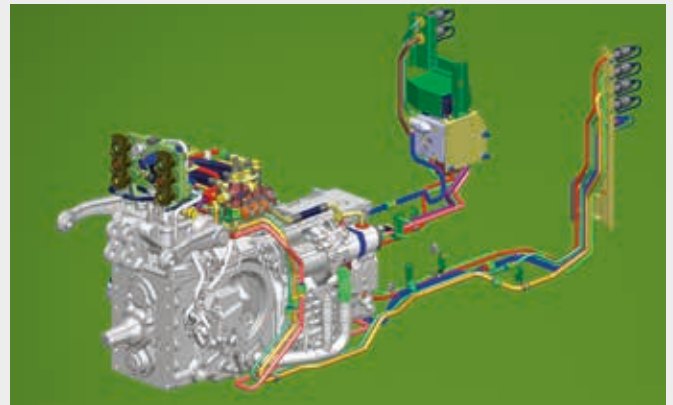
In order to optimise the DEUTZ-FAHR specialist tractors for specific applications or to maximise comfort, you can choose from a wide range of additional equipment ex works. From front ballasting, front hydraulics, front PTO, front mounting plates, side stabilisers and hydraulic lift links for the rear linkage, trailer couplings,

five different hydraulic packages through to air conditioning and cab air filters – original equipment will ensure that everything is a perfect fit and the quality is right. If you have even more specific requirements, your DEUTZ-FAHR dealer will be more than happy to help.





↑ A variety of front weights for working with heavy rear-mounted implements.



↑ Extensive hydraulic packages ranging from basic to high-tech.



↑ Front hydraulics and front PTO for efficient equipment combinations.



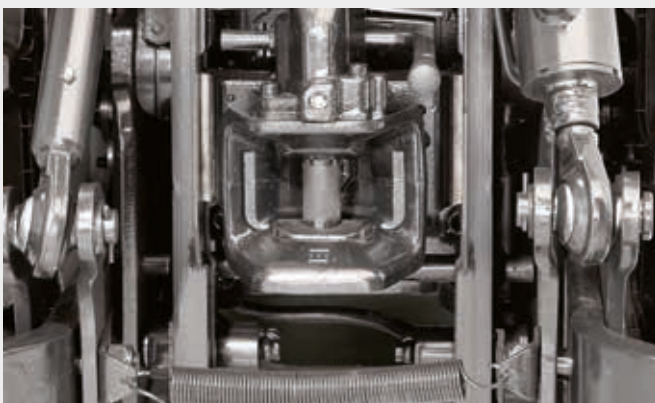
↑ Powerful air-conditioning system to guarantee a consistently good working climate in the cab.



↑ Front mounting plate for quick, sturdy attachment of special equipment



↑ Cab air filter to combat dust and chemicals. Clean air in the cab at all times.



↑ Side stabiliser, hydraulic lift link, trailer couplings, to supplement the rear attachment area.



↑ All models (except the 5DF Ecoline) are optionally available as open platform versions.



Technical data		5DV SERIES					
		5080 DV	5090 DV	5100 DV	5090.4 DV	5105 DV	5115 DV
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Emissions stage IIIB					
Cylinders / capacity	no. / ccm	3 / 2,887			4 / 3,849		
Turbocharger with intercooling		●					
Max. power (ECE R120)	kW / HP	55.4 / 75	65 / 88	71 / 97	65 / 88	75 / 102	83 / 113
Power at rated speed (ECE R 120)	kW / HP	55.4 / 75	61.5 / 83	67 / 91	61.8 / 84	71.5 / 97	79 / 107
Max. torque	Nm	342	354	369	354	408	435
Speed at maximum torque	rpm	1,500	1.600				
Electronic engine control		●					
Fuel tank capacity	Litres	55					
Fuel tank capacity with suspended front axle and front PTO	Litres	35					
Auxiliary fuel tank	Litres	30					
SHUTTLE TRANSMISSION							
Mechanical shuttle transmission synchronised (LS)		●					
PowerShuttle electro-hydraulic shuttle transmission with Stop&Go System (GS)		●					
MECHANICAL TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	30 + 15					
POWERSHIFT TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	45 + 45					
Powershift speeds	no.	3					
REAR PTO							
Electrohydraulic engagement		●					
540 / 540ECO		●					
540 / 540ECO / 1000		○					
540 / 540ECO and directional PTO		○					
FRONT PTO							
Electrohydraulic engagement		●					
1000		○					
AXLES AND BRAKES							
Electrohydraulic all-wheel drive		●					
Electrohydraulic engagement of the differential lock		●					
Automatic function all-wheel drive		○					
Independent parking brake		●					
Hydraulic trailer brake valve		●					
Hydraulic steering with independent pump (mechanical transmission / powershift transmission)	l / min	26 / 45					
Steering angle	Degree	60					
SUSPENDED FRONT AXLE WITH INDEPENDENT SUSPENSION							
Adaptive suspension system		●					
Active nivomat		●					
Roll stabilising		●					
Side stabilising		●					
DTC (differential traction control)		●					
LINKAGE							
Mechanically controlled rear linkage		●					
Electronically controlled rear linkage (EHR)		○					
Rear linkage lifting capacity	kg	2,600					
Front linkage		○					
Front linkage lifting capacity	kg	1,500					
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l / min	54					
Fixed displacement pump (optional)	l / min	38 + 26					
Auxiliary control valves, rear (max.)	no.	3					
Auxiliary control valves, intermediate axle	no.	2 + 1					
HIGH-FLOW							
2 tandem pumps	l / min	131 (64 + 67)					
Steering pump	l / min	45					
Number of front control units (right)	no.	4					
Number of front control units (left)	no.	2					
12V sockets	no.	2					

The technical data and figures provided are guide values. DEUTZ-FAHR always strives to offer products that better meet customer requirements and therefore reserves the right to make updates at any time and without prior notice.



Technical data		SDV SERIES				
		5080 DV	5090 DV	5100 DV	5090.4 DV	5105 DV
POWER-FLOW						
2 tandem pumps	l/min	131 (64+67)				
Steering pump	l/min	45				
Number of front control units (right)	no.	1				
Number of front control units (left)	no.	2				
12V sockets	no.	2				
SETTING-FLOW						
Tandem pump (transmission)	l/min	64				
Steering pump	l/min	45				
Number of front control units (right)	no.	4				
Number of front control units (left)	no.	1				
12V sockets	no.	2				
DRIVER PLATFORM						
Silent-Block bearing		●				
Roll bar		●				
CAB						
Silent-Block bearing		●				
Heating and ventilation system		●				
Air conditioning		○				
DIMENSIONS AND WEIGHTS						
Overall width rear (min. / max.)	mm	1,163 / 1,293				
Standard tyres front		240 / 70 R16				
Standard tyres rear		380 / 70 R20				
Overall length (A)	mm	3.829		3.959		
Overall width (front / rear) (B)	mm	1,290 / 1,293				
Height of cab roof with air conditioning (C)	mm	2,271				
Height with roll bar	mm	2,394				
Dimension of centre of rear axle to cab roof (without/with air conditioning)	mm	1,746 / 1,707				
Ground clearance, front axle (D)	mm	233				
Wheelbase (E)	mm	2,050		2,180		
Total unladen weight with cab (min. / max.)	kg	2,709 / 2,950		2,829 / 3,070		
Total unladen weight with platform (min. / max.)	kg	2,499 / 2,740		2,619 / 2,860		
Permissible total weight with platform	kg	4.600				

● Standard ○ Optional - not available

The dimensions can vary by +/- 10 mm  
Min. / max.: Depending on equipment and tyres





Technical data		5DS SERIES					
		5080 DS	5090 DS	5100 DS	5090.4 DS	5105 DS	5115 DS
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Emissions stage IIIB					
Cylinders / capacity	no. / ccm	3 / 2,887			4 / 3,849		
Turbocharger with intercooling		●					
Max. power (ECE R120)	kW / HP	55.4 / 75	65 / 88	71 / 97	65 / 88	75 / 102	83 / 113
Power at rated speed (ECE R 120)	kW / HP	55.4 / 75	61.5 / 83	67 / 91	61.8 / 84	71.5 / 97	79 / 107
Max. torque	Nm	342	354	369	354	408	435
Speed at maximum torque	rpm	1,500	1,600				
Electronic engine control		●					
Fuel tank capacity	Litres	55					
Fuel tank capacity with suspended front axle and front PTO	Litres	35					
Auxiliary fuel tank	Litres	30					
SHUTTLE TRANSMISSION							
Mechanical shuttle transmission synchronised (LS)		●					
PowerShuttle electro-hydraulic shuttle transmission with Stop&Go System (GS)		●					
MECHANICAL TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	30 + 15					
POWERSHIFT TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	45 + 45					
Powershift speeds	no.	3					
REAR PTO							
Electrohydraulic engagement		●					
540 / 540ECO		●					
540 / 540ECO / 1000		○					
540 / 540ECO and directional PTO		○					
FRONT PTO							
Electrohydraulic engagement		●					
1000		○					
AXLES AND BRAKES							
Electrohydraulic all-wheel drive		●					
Electrohydraulic engagement of the differential lock		●					
Automatic function all-wheel drive		○					
Independent parking brake		●					
Hydraulic trailer brake valve		●					
Hydraulic steering with independent pump (mechanical transmission / powershift transmission)	l / min	26 / 45					
Steering angle	Degree	60					
SUSPENDED FRONT AXLE WITH INDEPENDENT SUSPENSION							
Adaptive suspension system		●					
Active nivomat		●					
Roll stabilising		●					
Side stabilising		●					
DTC (differential traction control)		●					
LINKAGE							
Mechanically controlled rear linkage		●					
Electronically controlled rear linkage (EHR)		○					
Rear linkage lifting capacity	kg	2,600					
Front linkage		○					
Front linkage lifting capacity	kg	1,500					
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l / min	54					
Fixed displacement pump (optional)	l / min	38 + 26					
Auxiliary control valves, rear (max.)	no.	3					
Auxiliary control valves, intermediate axle	no.	2 + 1					
HIGH-FLOW							
2 tandem pumps	l / min	131 (64 + 67)					
Steering pump	l / min	45					
Number of front control units (right)	no.	4					
Number of front control units (left)	no.	2					
12V sockets	no.	2					

The technical data and figures provided are guide values. DEUTZ-FAHR always strives to offer products that better meet customer requirements and therefore reserves the right to make updates at any time and without prior notice.



Technical data		SDS SERIES				
		5080 DS	5090 DS	5100 DS	5090.4 DS	5105 DS
POWER-FLOW						
2 tandem pumps	l/min	131 (64+67)				
Steering pump	l/min	45				
Number of front control units (right)	no.	1				
Number of front control units (left)	no.	2				
12V sockets	no.	2				
SETTING-FLOW						
Tandem pump (transmission)	l/min	64				
Steering pump	l/min	45				
Number of front control units (right)	no.	4				
Number of front control units (left)	no.	1				
12V sockets	no.	2				
DRIVER PLATFORM						
Silent-Block bearing		●				
Roll bar		●				
CAB						
Silent-Block bearing		●				
Heating and ventilation system		●				
Air conditioning		○				
DIMENSIONS AND WEIGHTS						
Overall width rear (min. / max.)	mm	1,264 / 1,517				
Standard tyres front		240 / 70 R16		260 / 70 R16	280 / 70 R16	
Standard tyres rear		360 / 70 R24		380 / 70 R24	420 / 70 R24	
Overall length (A)	mm	3,829		3,959		
Overall width (front / rear) (B)	mm	1,366 / 1,367		1,381 / 1,391	1,460 / 1,461	
Height of cab roof with air conditioning (C)	mm	2,296		2,321	2,346	
Height with roll bar	mm	2,419		2,574	2,599	
Dimension of centre of rear axle to cab roof (without/with air conditioning)	mm	1,746 / 1,707				
Ground clearance, front axle (D)	mm	233		243	273	
Wheelbase (E)	mm	2.050		2.180		
Total unladen weight with cab (min. / max.)	kg	2,688 / 3,020		2,808 / 3,140		
Total unladen weight with platform (min. / max.)	kg	2,478 / 2,810		2,598 / 2,930		
Permissible total weight with platform	kg	4,600				

● Standard ○ Optional - not available

The dimensions can vary by +/- 10 mm  
Min. / max.: Depending on equipment and tyres





Technical data		5DF SERIES					
		5080 DF	5090 DF	5100 DF	5090.4 DF	5105 DF	5115 DF
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Abgasstufe IIIB					
Cylinders / capacity	no. / ccm	3 / 2,887			4 / 3,849		
Turbocharger with intercooling		●					
Max. power (ECE R120)	kW / HP	55.4 / 75	65 / 88	71 / 97	65 / 88	75 / 102	83 / 113
Power at rated speed (ECE R 120)	kW / HP	55.4 / 75	61.5 / 83	67 / 91	61.8 / 84	71.5 / 97	79 / 107
Max. torque	Nm	342	354	369	354	408	435
Speed at maximum torque	rpm	1,500	1,600				
Electronic engine control		●					
Fuel tank capacity	Litres	55					
Fuel tank capacity with suspended front axle and front PTO	Litres	35					
Auxiliary fuel tank	Litres	30					
SHUTTLE TRANSMISSION							
Mechanical shuttle transmission synchronised (LS)		●					
PowerShuttle electrohydraulic shuttle transmission with Stop&Go System (GS)		●					
MECHANICAL TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	30 + 15					
POWERSHIFT TRANSMISSION							
5-speed transmission		●					
Number of gears with super creeper gear	no.	45 + 45					
Powershift speeds	no.	3					
REAR PTO							
Electrohydraulic engagement		●					
540 / 540ECO		●					
540 / 540ECO / 1000		○					
540 / 540ECO and directional PTO		○					
FRONT PTO							
Electrohydraulic engagement		●					
1000		○					
AXLES AND BRAKES							
Electrohydraulic all-wheel drive		●					
Electrohydraulic engagement of the differential lock		●					
Automatic function all-wheel drive		○					
Independent parking brake		●					
Hydraulic trailer brake valve		●					
Hydraulic steering with independent pump (mechanical transmission / powershift transmission)	l / min	26 / 45					
Steering angle	Grad	60					
LINKAGE							
Mechanically controlled rear linkage		●					
Electronically controlled rear linkage (EHR)		○					
Rear linkage lifting capacity	kg	2,800					
Front linkage		○					
Front linkage lifting capacity	kg	1,500					
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l / min	54					
Fixed displacement pump (optional)	l / min	38 + 26					
Auxiliary control valves, rear (max.)	no.	3					
Auxiliary control valves, intermediate axle	no.	2 + 1					
HIGH-FLOW							
2 tandem pumps	l / min	131 (64 + 67)					
Steering pump	l / min	45					
Number of front control units (right)	no.	4					
Number of front control units (left)	no.	2					
12V sockets	no.	2					

The technical data and figures provided are guide values. DEUTZ-FAHR always strives to offer products that better meet customer requirements and therefore reserves the right to make updates at any time and without prior notice.



Technical data		5DF SERIES					
		5080 DF	5090 DF	5100 DF	5090.4 DF	5105 DF	5115 DF
POWER-FLOW							
2 tandem pumps	l/min	131 (64 + 67)					
Steering pump	l/min	45					
Number of front control units (right)	no.	1					
Number of front control units (left)	no.	2					
12V sockets	no.	2					
SETTING-FLOW							
Tandem pump (transmission)	l/min	64					
Steering pump	l/min	45					
Number of front control units (right)	no.	4					
Number of front control units (left)	no.	1					
12V sockets	no.	2					
DRIVER PLATFORM							
Silent-Block bearing		●					
Roll bar		●					
CAB							
Silent-Block bearing		●					
Heating and ventilation system		●					
Air conditioning		○					
DIMENSIONS AND WEIGHTS							
Overall width rear (min. / max.)	mm	1,454 / 1,642					
Standard tyres front		280 / 70 R16	280 / 70 R18	280 / 70 R16	280 / 70 R18		
Standard tyres rear		360 / 70 R24	420 / 70 R24	380 / 70 R24	420 / 70 R24		
Overall length (A)	mm	3,812			3,942		
Overall width (front / rear) (B)	mm	1,536 / 1,514	1,612 / 1,618	1,578 / 1,588	1,612 / 1,618		
Height of cab roof with air conditioning (C)	mm	2,296	2,346	2,321	2,346		
Height with roll bar	mm	2,419	2,469	2,444	2,469		
Dimension of centre of rear axle to cab roof (without/with air conditioning)	mm	1,707 / 1,746					
Ground clearance, front axle (D)	mm	247	267	247	267		
Wheelbase (E)	mm	2,011			2,141		
Total unladen weight with cab (min. / max.)	kg	2,617 / 2,995			2,747 / 3,125		
Total unladen weight with platform (min. / max.)	kg	2,352 / 2,730			2,472 / 2,850		
Permissible total weight with platform	kg	5,000					

● Standard ○ Optional - not available

The dimensions can vary by +/- 10 mm  
Min./max.: Depending on equipment and tyres





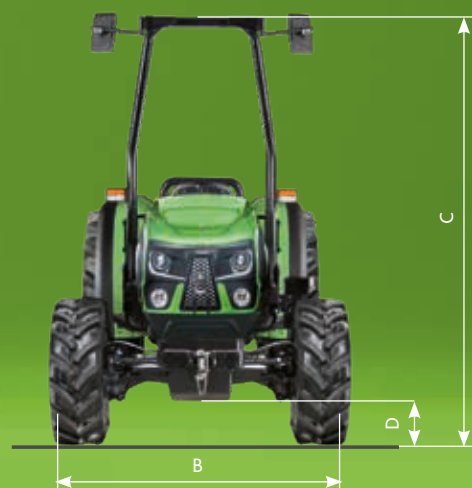
Technical data		5DF ECOLINE SERIES					
		5080 DF ECOLINE	5080.4 DF ECOLINE	5090 DF ECOLINE	5090.4 DF ECOLINE	5100 DF ECOLINE	5105 DF ECOLINE
ENGINE							
Manufacturer		SDF					
Model		FARMotion					
Emissions stage		Emissions stage IIIB					
Cylinders / capacity	no. / ccm	3 / 2,887	4 / 3,849	3 / 2,887	4 / 3,849	3 / 2,887	4 / 3,849
Turbocharger with intercooling		●					
Max. power (ECE R120)	kW / HP	55.4 / 75		65 / 88		71 / 96	75 / 102
Power at reduced engine speed (ECE R 120)	kW / HP	55.4 / 75		61.5 / 83	61.8 / 84	67 / 91	71.5 / 97
Max. torque	Nm	342	353	354		369	408
Electronic engine control		●					
Fuel tank capacity	Litres	55					
SHUTTLE TRANSMISSION							
Mechanical shuttle transmission synchronised		●					
TRANSMISSION							
5-speed transmission		●					
Number of gears with creeper gear	no.	20 + 10					
Number of gears with super creeper gear	no.	30 + 15					
REAR PTO							
Mechanical actuation		●					
540		○					
540 / 540ECO		●					
540 / 540ECO / 1000		○					
Ground-speed PTO		○					
AXLES							
All-wheel mechanically activated		●					
Differential lock mechanically activated		●					
STEERING AND BRAKING							
Four-wheel brake system		●					
Independent parking brake		●					
Hydraulic brake valve		○					
Hydrostatic steering with separate oil circuit		●					
Steering angle	Degree	60					
LINKAGE							
Mechanical lifting control		●					
Rear linkage lifting capacity		2,600	2,800	2,600	2,800	2,600	2,800
HYDRAULIC SYSTEM							
Fixed displacement pump	l / min	45					
Auxiliary control valves, rear	no.	2 / 3					
DRIVER PLATFORM							
Silent-Block bearing		●					
Digital InfoCentre		●					
Roll bar		●					
Driver's seat with mechanical suspension		●					
DIMENSIONS AND WEIGHTS							
Standard tyres		360 / 70 R24	380 / 70 R24	380 / 85 R24	380 / 70 R28	380 / 85 R24	420 / 70 R28
Max. overall length (A)	mm	3,829	3,942	3,829	3,942	3,829	3,942
Overall width (min./max.) (B)	mm	1,466 / 1,866	1,450 / 1,944	1,597 / 1,997	1,584 / 1,984	1,597 / 1,997	1,624 / 2,024
Height, roll bar (C)	mm	2,419	2,444	2,469	2,624	2,469	2,649
Ground clearance (D)	mm	247		267	282	267	307
Wheelbase (E)	mm	2,011	2,141	2,011	2,141	2,011	2,141
Unladen weight	kg	2,620	2,770	2,620	2,770	2,630	2,770
Permissible total weight	kg	5,000					

● Standard ○ Optional - not available

The dimensions can vary by +/- 10 mm  
Min. / max.: Depending on equipment and tyres

The technical data and figures provided are guide values. DEUTZ-FAHR always strives to offer products that better meet customer requirements and therefore reserves the right to make updates at any time and without prior notice.







Dealer



Produced by Marketing / Communication Department - Code 308.8564.5.4-6 - 02/20

To discover more please contact your dealer  
or visit [deutz-fahr.com](http://deutz-fahr.com).

DEUTZ-FAHR is a brand of  SDF

