



SERIES

5
DF
DV

5095 // 5105 // 5115

DF/DV

CAB

EPA



**DEUTZ
FAHR**

// SERIES 5 DF/DV

- > Offered as two width versions, with 4 cylinder engines and with a wide choice of configurations and options, the Series 5 DF/DV is the most comprehensive range of high-tech specialised tractors currently available on the market
- > The robust, modular and efficient transmission, available with a progressively engaged electrohydraulic reverse shuttle and with up to 45 speeds in both directions allows for a maximum road speed of 40 km/h attained at engine economy speed
- > Compact hood for unobstructed forward visibility and outstanding agility
- > Spacious cabs with an all-flat floor and plenty of room for the operator



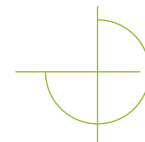
5 DF

- > Overall width from 1441 to 1671 mm
- > Electronically controlled lift as standard with a lift capacity of up to 3940 kg and implement oscillation damping system
- > Comprehensive choice of tyre sizes, from 280/70 R16 (front) and 360/70 R24 (rear) to 280/70 R20 (front) and 440/65 R28 (rear)

5 DF/DV.

THE SPECIALIST PAR EXCELLENCE.





- > The ergonomically organised controls and joystick controller available for the distributors make working more comfortable than ever
- > Larger capacity tanks: up to 100 litres of fuel for working even longer without stopping
- > More power, more torque and more efficiency than the previous generation
- > Wet disc brakes as standard on all 4 wheels, and available with an independent wheel suspended front axle
- > Available with innovative Pneutrac tyres, for less soil compaction and even more traction

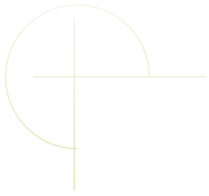


5 DV


- > Overall width from 1166 to 1317 mm
- > Transmission with 5 speed main gearbox and OverSpeed function, for a maximum road speed up to 40 km/h even with 20" rear tyres.
- > Comprehensive choice of tyre sizes, from 240/70 R16 (front) and 380/70 R20 (rear) to 260/70 R16 (front) and 320/70 R24 (rear)



Offered with 1166 to 1671 mm width max., the new Series 5 DF/DV is directed decisively towards maximum productivity and efficiency in the tightest of spaces. With new, more powerful and cost-effective 5-speed modular transmissions, 2 wheelbase lengths from 2174 to 2216 mm and powerful hydraulic systems with many variants, the new models offer greater scope for configuration, presenting themselves once again as the benchmark in terms of safety, comfort and productivity. The flat floor cabin, available in different width according to the model and tyre size, offers exceptional levels of comfort thanks to Hydro-Silent Block suspension and ergonomic layout of the side console.



// TOTAL CONFIG



DEUTZ-FAHR has made this family of tractors extraordinarily configurable to let you build the perfect machine for the needs of your job.

URABILITY



// ENGINE

Higher torque and higher power to maximise your output.

The beating heart of the new Series 5 DF/DV are the multiple award-winning FARMotion 45 engines, that are now not only EPA compliant but also more powerful and fuel efficient than before. On top of this, scheduled service intervals have now been extended to 600 hours.

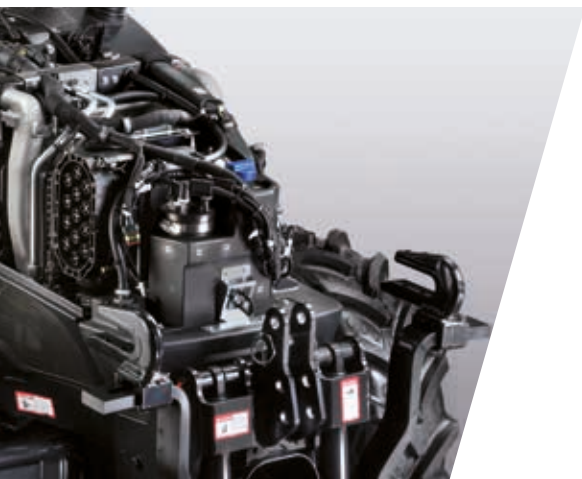
The new Series 5 DF/DV is powered by the latest evolution of the FARMotion 45 engines, powerplants developed with the best technological solutions currently existing for diesel engines and conceived specifically to cater for the needs of agricultural applications. Offered as 3 and 4 cylinder versions, the engines of the new family are extremely compact in size, even offering the highest displacement in the market, contributing to the excellent forward visibility and generous maximum steering angle of these tractors.

Together, features such as the innovative geometry of the combustion chamber, fully electronically managed Common Rail injection (with injection pressures up to 2000 bar), the viscstatic fan and a PowerCore air filter form an impressive package of high-tech solutions allowing the new Series 5 DF/DV to minimise fuel consumption and maximise productivity. The innovative technology introduced to attain compliance with EPA emissions standards has been wisely integrated in the vehicle by DEUTZ-FAHR. The new 5 DF/DV models keep the same overall best in class dimensions of their predecessors, therefore this upgrade did not impact on visibility and manoeuvrability, that are crucial requisites of a specialised tractor. FARMotion 45 can even run with alternative fuels, being officially certified to run with HVO (Hydrotreated Vegetable Oil). 5 DF/DV tractors are therefore ready to tackle the challenges of the agriculture of tomorrow, such as increasing environmental sustainability through CO₂ reduction.

HIGHLIGHTS

- > Improved efficiency and more torque and power for all models
- > Viscostatic fan for reduced power loss
- > Scheduled oil change intervals extended to 600 hours
- > Automatic hydraulic valve adjustment for minimised maintenance
- > Extended operating range due to lower fuel consumption and larger new fuel tanks (up to 100 litres)
- > Easy starting even in very cold conditions
- > HVO certified





> Clean and organised under bonnet layout.



> FARMotion 45 EPA.

// TRANSMISSION AND PTO

Transmissions and PTOs tailored for the needs of your job.

The transmissions equipping the new DEUTZ-FAHR Series 5 DF/DV combine supreme efficiency with extraordinary reliability. With a 5-speed main gearbox, 3 ranges and PowerShuttle (for a total of 15+15 speeds), even the base configuration allows for a top speed of 40 km/h attained at an economical engine speed of around 1800 rpm (with 28" rear tyres). For even greater versatility, all the models can be equipped even with a 2-stage Powershift transmission (Hi-Lo) or with a 3-stage (HML) Powershift, to offer 45 speeds in total in both drive directions.

In this configuration, the tractor can work at ground speeds as low as 203 m/h (170 m/h with smallest tires available) at maximum engine speed in the lowest ratio available, at the same time reaching 40 kph ECO - with reduced engine rpm.

5 DF/DV are also available with a hydraulic reverse shuttle with the SenseClutch function, which offers 5 user-selectable responsiveness settings. It includes also the Stop&Go function, which lets the operator stop and hold the tractor and set off using the brake pedals only, and the ComfortClutch function, for shifting gear by simply pressing a button on the gear lever without using the clutch pedal. The PTO also offers extensive possibilities for configuration.

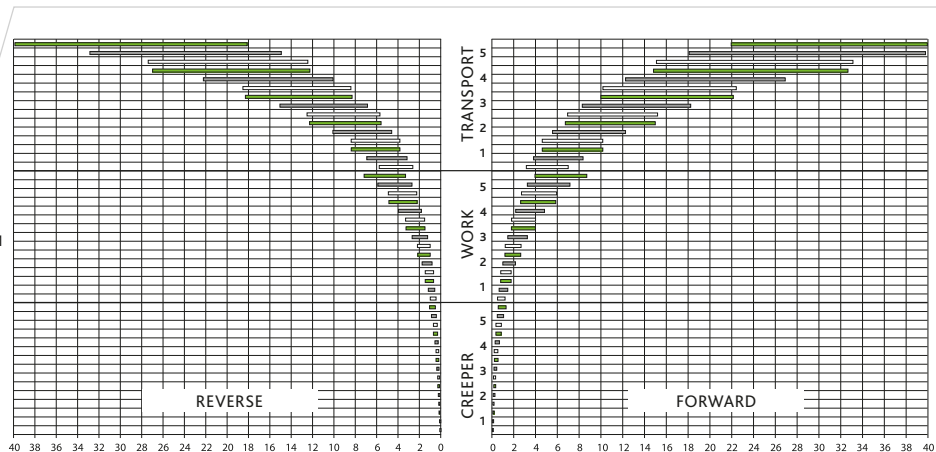
All tractors come as standard with 540 rpm, 540ECO and 1000 rpm speed modes, selectable either with an external control or a practical control in the cab. PTO output shafts are available with a versatile splined removable output stub shafts, while practical controls replicated on the rear mudguards are available to allow control from outside the tractor.

To extend the capabilities of the tractor, front 1000 rpm PTO modes are also available as optional. All versions are equipped with electrohydraulic PTO activation and Auto PTO function, which activates and deactivates the PTO automatically in relation to lift position.

HIGHLIGHTS

- > 3 choices of transmission from 15+15 up to 45+45
- > PowerShuttle as standard
- > Stop&Go, ComfortClutch and SenseClutch functions always available
- > Up to 3 PTO speeds, Auto PTO function as standard





> PowerShuttle with SenseClutch 5-levels adjustment.

> HML transmission with 3-Powershift steps allows 45 speeds both in forward and in reverse direction.

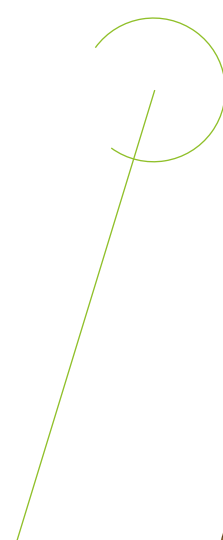
// HYDRAULICS AND LIFTS

Incredibly configurable systems with all the power and precision you need.

The new Series 5 DF/DV comes with a powerful new hydraulic system offering extraordinary scope for configuration. All the configurations possible include a separate hydraulic circuit for the steering system fed by an independent pump to ensure seamlessly smooth steering action even with the engine at idle speed and while simultaneously using the lift and/or distributors. A wide range of configurations is available for the pumps feeding the lifts and distributors (up to 68 l/min flow rate) and for the hydraulic distributors themselves.

These tractors are available with up to 6 rear hydraulic ways, with hydraulic flow regulator valve and free return. All models can be equipped with up to 5 couplers at the mid mounted position duplicating the rear couplers and also with free return line. The optional new distributor controller joystick lets the operator control 4 different couplers simultaneously with a single hand. Ergonomically positioned for extreme ease of use and height-adjustable to cater for drivers of any stature, this controller joystick is invaluable when working with hydraulically operated implements.

All models, offer as standard the rear lift with an electronic control which integrates a vibration damping function, reducing the oscillation produced by mounted implements and therefore, significantly improving both safety and comfort when driving on roads. On 5 DF models, the rear lift has a maximum capacity of 3940 kg with supplementary cylinders, while maximum lift capacity is 2600 kg on 5 DV versions. All models are available with external lift control buttons on the left hand rear mudguard, hydraulic stabilisers and a powerful front lift with 1500 kg capacity.



> Up to 5 mid-mounted hydraulic ways.



> External buttons for rear lift and PTO to make coupling manoeuvres easy.

HIGHLIGHTS

- > Powerful rear lift with up to 3940 kg capacity
- > Up to 68 l/min hydraulic pump for spool valves and rear lift
- > Independent hydraulic system for steering circuit
- > Rear spool valves with flow regulator
- > Spool valves control with cross lever available as option
- > Up to 5 mid-mounted ways and 1 free return



> Precise draft and position control thanks to electronic rear lift.



> In-cab flow regulator.

// AXLES AND BRAKES

Class-beating technology for increased productivity and safety.

As an alternative to the conventional swing front axle, the new 5 DF/DV tractors are also available with an exclusive adaptive hydro-pneumatic independent front suspension system, which ensures optimised damping action in relation to vehicle speed, steering angle and roll angle for unbeatable comfort and stability. The innovative active front suspension control software also includes Anti-Dive and Anti-Roll functions as standard, which significantly improve both the safety and productivity. Anti-Dive counters sudden front suspension compression under braking to shorten stopping distances, while Anti-Roll automatically adjusts damper stiffness when cornering, stiffening the suspension of the outer wheel to keep the vehicle correctly balanced, improving stability and grip and drastically reducing roll to maximise comfort and safety. The electronic control unit also manages the DTC, an innovative electronically controlled differential which maximises traction by automatically transferring torque to the wheel with the most grip. Also standard are true all-wheel braking, with wet disc brakes on all four wheels, and electro-hydraulically engaged differential locks and 4WD are standard, while automated management of the 4WD system is offered as an option. For even greater operator comfort, 5 DF/DV tractors are available with the optional SDD (Steering Double Displacement) system, which significantly cuts the time and effort necessary for headland turn manoeuvres. Simply pressing the relative button halves the number of steering wheel turns needed to turn the tractor around.



HIGHLIGHTS

- > Independent front axle suspension available as option
- > 4-wet disc brakes
- > 100% front differential lock
- > SDD available
- > Auto 4WD available

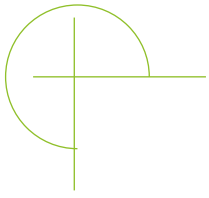


- > Auto 4WD function allows to engage and disengage automatically 4WD according to steering angle and speed.

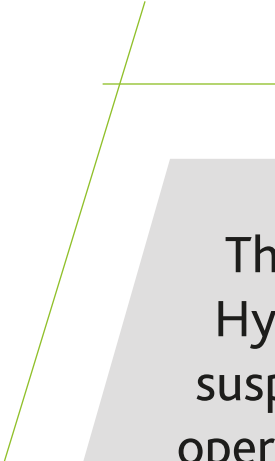


> High steering angle thanks to independent front axle suspension.

> SDD function halves the number of steering wheel turning required for lock-to-lock steering.



// LUXURIO



The innovative
Hydro Silent-Block
suspension maximise
operator comfort.



US COMFORT



// DRIVING POSITION

Unrivalled comfort for a range of best-in class machines.

The brand-new cabs equipping the Series 5 DF/DV are concentrated packages of advanced technological solutions and ergonomics, offering previously unheard of levels of comfort for specialised tractors with mechanical transmissions. Available with a choice of three different mudguard sizes, all of the cab variants boast a modern 4-pillar structure to offer an unobstructed view of your working environment between the rows and a Hydro Silent-Block suspension as standard. All these cabs feature a completely flat floor, a steering wheel adjustable for reach and rake and a dashboard which adjusts

together with the steering wheel. With every detail designed in accordance with the most advanced and innovative ergonomic principles, the cab offers the most comfortable working environment in this class, making your job less tiring and more pleasant than ever. The controls are organised in the new console in accordance with the DEUTZ-FAHR brand's tried-and-tested colour-coded layout. The models of the new Series 5 DF/DV are also available with an openable roof hatch to improve overhead visibility towards the rear when working with a pallet fork attachment mounted on the rear lift. A



> Cat. 4 filtration available.

HIGHLIGHTS

- > 4-post cab with flat floor
- > Cab suspended on Hydro Silent-Block
- > Cat.4 filtration available
- > Ergonomic side console with spool valves cross lever control
- > Lifiable rear top roof
- > In-cab PTO speed selector

Category 4 pressurised filtration system certified for use as PPE is also available as an option, to offer effective protection for the driver when applying crop treatments. The tall windscreen ensures unrestricted visibility even when working with implements straddling the vine row such as pruning and pre-pruning attachments. Excellent lateral visibility, on the other hand, is ensured by the generous glazing of the uncluttered 4-pillar structure. The cabs of the Series 5 DF/DV can be configured with a choice of different

features and options to customise the tractor to suit your specific needs, including a Bluetooth audio system, a front openable windscreen, a smartphone holder with two USB ports and a holder for additional monitors and other devices.



> Rear spool valves controlled by single levers or mechanical cross lever.



> In-cab PTO speed selector.

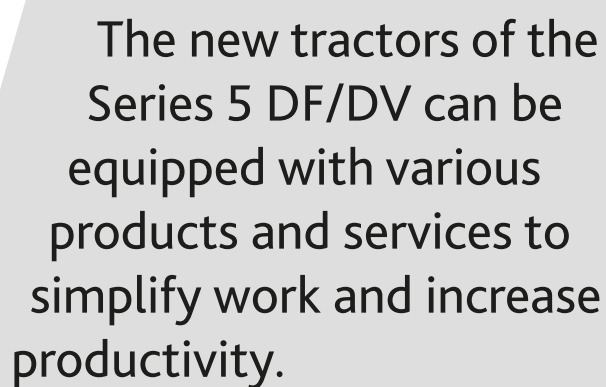


> LED position and direction lights.



The logo features two green diagonal slashes on the left, followed by a grey circular icon with three interlocking shapes. To the right, the letters 'SDF' are in a bold orange font, and the word 'Smart' is in a grey sans-serif font.

// SDF Smart

A grey, trapezoidal text box is positioned in the center-right of the page. It contains a paragraph of text. The background of the entire page is a photograph of a lush green vineyard with rows of grapevines stretching into the distance under a clear sky.

The new tractors of the Series 5 DF/DV can be equipped with various products and services to simplify work and increase productivity.



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.

SDF Fleet Management

With the new 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.

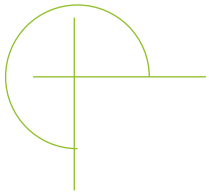


> Connect the 5 DF/DV models with your dealer for fast and comfortable support.



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





// MAXIMI PERFORM

The extraordinary configurability of the new DEUTZ-FAHR Series 5 DF/DV lets customers create the perfect machine for their specific needs, maximising performance while offering unprecedented levels of comfort in a tractor of this category.

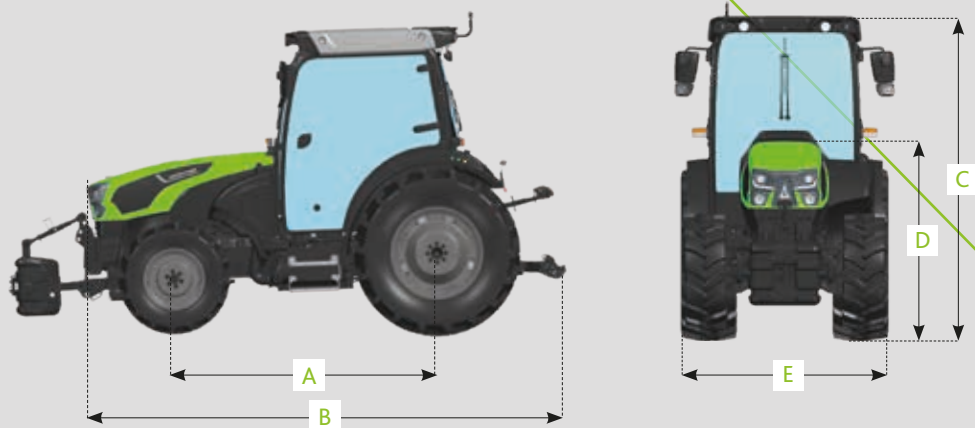
SE LANCE



TECHNICAL DATA	SERIES 5 DF			
	95	105	115	
ENGINE				
Model		FARMotion 45		
Emission level		EPA		
Aspiration		Turbo Intercooler		
Injection @ pressure	Type	Common Rail @ 2000 bar		
Cylinder/Displacement	n°/cc	4/3849		
Max. power (ECE R120)	kW/HP	70/95	78/106	85/116
Power at rated engine speed (ECE R120)	kW/HP	66.4/90	74/101	80.6/110
Max. torque @ 1400 rpm	Nm	389	433	472
Fuel tank capacity (with front lift/PTO)	l	81 (61)		
XL Fuel tank capacity (with front lift/PTO)	l	100 (80)		
AdBlue tank capacity	l	13		
TRANSMISSION - POWERSHUTTLE				
Number of speeds - 5 gears transmission		15+15 or 30+30 (with Hi-Lo 2-Powershift steps) or 45+45 (with HML 3-Powershift steps)		
Max. speed - 5 gears transmission	km/h	40 ECO*		
PTO				
PTO speeds		540/540ECO/1000		
Front PTO 1000		○		
LIFT				
Electronic rear lift		●		
Rear lift capacity (STD/OPT)	kg	3130/3940		
Hydraulic right tie rod and stabilisers		○		
Front lift (1500 kg)		○		
HYDRAULICS				
Open centre hydraulic system (STD)	l/min	56		
Open centre hydraulic system with double pump (OPT)	l/min	68		
Rear spool valves (STD/OPT)	n°	2/3		
Flow regulator		○		
Rear free return		●		
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways	2/4/5		
Mid-mounted free return		○		
BRAKES				
4 wheel braking		●		
Hydraulic trailer brake		○		
FRONT AXLE				
Electrohydraulic engagement for 4WD and Diff.Lock		●		
Auto 4WD		○		
Independent steering pump		●		
Steering Double Displacement (SDD)		○		
INDEPENDENT FRONT SUSPENDED AXLE (OPT)				
Adaptive-Damping, Active Self-Levelling functions		●		
Anti-Dive, Anti-Roll functions		●		
Differential Traction Control (DTC)		●		
CAB				
Flat floor		●		
Adjustable steering column		○		
Suspended on Hydro Silent-Block		●		
Cat.4 filtration system		○		
Liftable rear top roof		○		
LED working lights		○		
Bluetooth Radio		○		
CTM		○		

● = standard ○ = option - = not available

* engine rpm at max speed varies according to rear tyre size



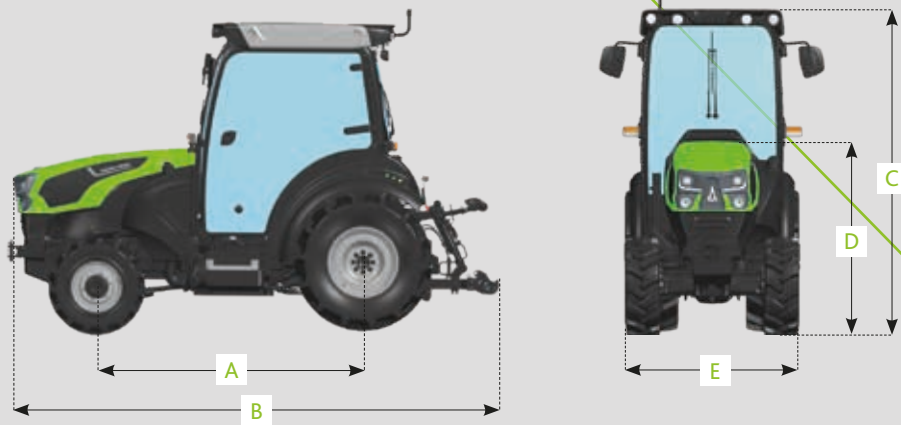
SERIES 5 DF		95	105	115
DIMENSIONS				
With front tyre	Size		300/70 R20	
With rear tyre	Size		420/70 R28	
Wheelbase (A)	mm		2174	
Max. length (B)	mm		3800	
Total height - CAB (C)	mm		2520	
Height at bonnet (D)	mm		1475	
Width (E)	mm		1624	
Weight - CAB	kg		3515-4105	
Total admissible load	kg		5200	

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.

Models and options may vary depending on the market. Please contact your dealer/distributor for more information.

TECHNICAL DATA	SERIES 5 DV			
	95	105	115	
ENGINE				
Model		FARMotion 45		
Emission level		EPA		
Aspiration		Turbo Intercooler		
Injection @ pressure	Type	Common Rail @ 2000 bar		
Cylinder/Displacement	n°/cc	4/3849		
Max. power (ECE R120)	kW/HP	70/95	78/106	85/116
Power at rated engine speed (ECE R120)	kW/HP	66.4/90	74/101	80.6/110
Max. torque @ 1400 rpm	Nm	389	433	472
Fuel tank capacity (with front lift/PTO)	l	75 (55)		
XL Fuel tank capacity (with front lift/PTO)	l	100 (80)		
AdBlue tank capacity	l	13		
TRANSMISSION - POWERSHUTTLE				
Number of speeds - 5 gears transmission		15+15 or 30+30 (with Hi-Lo 2-Powershift steps) or 45+45 (with HML 3-Powershift steps)		
Max. speed - 5 gears transmission	km/h	40		
PTO				
PTO speeds		540/540ECO/1000		
Front PTO 1000		○		
LIFT				
Electronic rear lift		●		
Rear lift capacity	kg	2600		
Hydraulic right tie rod and stabilisers		○		
Front lift (1500 kg)		○		
HYDRAULICS				
Open centre hydraulic system (STD)	l/min	56		
Open centre hydraulic system with double pump (OPT)	l/min	68		
Rear spool valves (STD/OPT)	n°	2/3		
Flow regulator		○		
Rear free return		●		
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways	2/4/5		
Mid-mounted free return		○		
BRAKES				
4 wheel braking		●		
Hydraulic trailer brake		○		
FRONT AXLE				
Electrohydraulic engagement for 4WD and Diff.Lock		●		
Auto 4WD		○		
Independent steering pump		●		
Steering Double Displacement (SDD)		○		
INDEPENDENT FRONT SUSPENDED AXLE (OPT)				
Adaptive-Damping, Active Self-Levelling functions		●		
Anti-Dive, Anti-Roll functions		●		
Differential Traction Control (DTC)		●		
CAB				
Flat floor		●		
Adjustable steering column		○		
Suspended on Hydro Silent-Block		●		
Cat.4 filtration system		○		
Liftable rear top roof		○		
LED working lights		○		
Bluetooth Radio		○		
CTM		○		

● = standard ○ = option - = not available




SERIES 5 DV		95	105	115
DIMENSIONS				
With front tyre	Size		180/95 R16	
With rear tyre	Size		280/85 R24	
Wheelbase (A)	mm		2216	
Max. length (B)	mm		3800	
Total height - CAB (C)	mm		2395	
Height at bonnet (D)	mm		1440	
Width (E)	mm		1166	
Weight - CAB	kg		3235-3745	
Total admissible load	kg		5000	

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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