

# 5080 DF/DS/DV ECOLINE.



5080 DF/DS/DV Ecoline  
Cab - Platform  
STAGE V



# 5080 DF/DS/DV ECOLINE.

## Highlights:

- The models of the new 5080 DF/DS/DV Ecoline family offer cutting-edge technical solutions while limiting operating costs, thanks to a new Stage V engine without need for AdBlue
- A wide range of transmissions: from efficient solutions with 30+15 gears, up to 45+45 gears with three gears with Powershift and hydraulic reverse shuttle

## 5080 DF Ecoline.

- Max. width from 1441 to 1628 mm; wheelbase 2011 mm
- Maximum permissible load 5000 Kg
- Vast selection of front tyres, from 280/70 R16 to 300/70 R20
- Vast selection of rear tyres, from 360/70 R24 to 420/70 R28

## 5080 DS Ecoline.

- Max. width from 1269 to 1463 mm; wheelbase 2050 mm
- Maximum permissible load 4600 Kg
- Vast selection of front tyres, from 240/70 R16 to 280/70 R18
- Vast selection of rear tyres, from 360/70 R24 to 380/70 R28
- Specific tyres for versions used by municipal authorities



## DESIGNED FOR MAXIMUM PRODUCTIVITY AND AFFORDABLE USE.

All of the productivity DEUTZ-FAHR is known for, with ultimate economic efficiency.

- Innovative front axle with independent wheel scheme and active suspension, as an option
- Versions with cab or platform and foldable ROPS
- Dual Mode hydraulic trailer braking, as an option
- Powerful hydraulic system, with double pump as standard and triple pump as an option



## 5080 DV Ecoline.

- Max. width from 1166 to 1317 mm; wheelbase 2050 mm
- Maximum permissible load 4600 Kg
- Vast selection of front tyres, from 240/70 R16 to 260/70 R16
- Vast selection of rear tyres, from 380/70 R20 to 320/70 R24

Specifically designed to optimise productivity, flexibility and economic efficiency, the new 5080 DF/DS/DV Ecoline family is perfect for working in tight spaces and offers an unparalleled level of technology and comfort for the category.

Thanks to the new 3 cylinder FARMotion 35 engine, which delivers 341 Nm of maximum torque at 1500 rpm, a wide range of transmission options (including options with hydraulic reverse shuttle and 3 Powershift gears) and powerful hydraulic systems,

the new series further raises the bar for specialised tractors in this power class. The new 5080 DF/DS/DV Ecoline family is the ideal solution for vineyards and orchards as well as for the maintenance of public and private green spaces and landscaping areas and for municipal applications; in fact, it is expressly designed to guarantee extraordinary efficiency in all working conditions.

The new DEUTZ-FAHR 5080 DF/DS/DV Ecoline family is specifically designed to offer maximum efficiency in vineyards and orchards, maintaining ultimate productivity at minimal expense, both in terms of purchasing and operating costs.

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# EFFICIENCY.





# ENGINE.

A powerful and compact engine with limited maintenance requirements, specifically designed for agricultural use.

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Thanks to the changes introduced for compliance with Stage V, the FARMotion 35 engines used on the new 5080 DF/DS/DV Ecoline family are even more powerful and fuel efficient, and extend the scheduled maintenance interval to 600 hours.

The current edition of this engine adopts the best technological solutions available for diesel engines, guaranteeing significantly compact size and fully meeting the specific needs of agricultural work. Specifically, the reduced size guarantees that models of the new 5080 DF/DS/DV Ecoline family offer excellent

manoeuvrability, with an extremely limited turning radius, in order to make manoeuvring at the end of each row faster and easier.

Top notch technical features, such as Common Rail electronic control injection at up to 2,000 bars, 7-hole piezoelectric injectors, turbocharger with Intercooler, viscstatic fan, and a PowerCore air filter create a formidable "package" that optimises combustion guaranteeing improved performance with minimal fuel consumption. The FARMotion 35 has an engine speed of just 2200 rpm, achieves maximum torque at 1500 rpm and stands out for an excellent



## Highlights

- Greater fuel efficiency; Stage V compliant without SCR and AdBlue
- Automatic hydraulic valve adjustment, for minimised maintenance
- Rated engine speed kept at just 2200 rpm
- Scheduled oil change intervals extended to 600 hours
- Extended autonomy, thanks to reduced fuel consumption and increased fuel tank capacity (up to 95 litres)
- Easy, immediate starting even in very cold conditions

28% reserve torque. The 5080 DF/DS/DV Ecoline models compliance with Stage V is achieved without the use of SCR and AdBlue, using an externally cooled EGR circuit, a DOC catalytic converter and a passive DPF filter instead: a combination that does not require any additional fluids besides diesel fuel. A new advanced preheat system ensures dependable, quick engine starts even in the coldest weather.



Stage V compliant through a simple EAT system. AdBlue not required.



Easily accessible fuel tank.



Electronic engine governor with one engine memory speed.



## Highlights

- 5 gear transmission and max. speed of 40 km/h as standard; 40 km/h at economy engine revs on 5080 DF Ecoline and 5080 DS Ecoline models
- Creeper speed between 205 and 246 m/h (depending on the model, with the largest tyres)
- Transmission combinations with 30+15 or 45+45 speeds
- 3-stage Powershift available both for versions with hydraulic reverse shuttle and for versions with mechanical reverse shuttle
- 540+540ECO PTO mode as standard, with progressively engaged electrohydraulic clutch
- 1000 rpm front PTO upon request



↑ Mechanical shuttle lever on steering column.



↑ PowerShift available on both cab and ROPS versions.



# TRANSMISSION AND PTO.

Extraordinary configurability with maximum efficiency.

The transmissions found on the 5080 DF/DS/DV Ecoline family guarantee very high performance combined with excellent reliability, thanks to the manufacturer's extensive experience in the specialised tractor sector.

The base version offers 5 gears for 3 ranges, integrated with a splitter that doubles the number of ratios available in the forward gear, for a total of 30+15 speeds.

For those who want more, an electrohydraulic reverser is available with Stop&Go and ComfortClutch features (to change gears by simply pressing a button on the gear lever without operating the clutch pedal), besides the 3-stage Powershift module, which raises the number of speeds available in either direction to 45. With the Powershift module for inserting the 3 gears under load, this transmission sets the standard for the category!

When on the road, 5080 DF Ecoline and 5080 DS Ecoline models attain 40 km/h even with the engine operating at an reduced engine speed. At the other end of the spectrum, with the shortest gear ratio, the biggest tyres and the engine at maximum regime, the speed can be as low as 205 or 246 m/h (depending on the version).

For all versions the PTO comes with a progressively engaged electrohydraulic clutch as standard. For PTO output shafts, options include classic fixed splined stub shafts or interchangeable shafts. As an option, a 1000 rpm PTO or a PTO synchronised with the transmission can be added, not to mention front PTO with 1000 rpm progressively engaged electrohydraulic clutch.



↑ Easy engagement of front and rear PTO through ergonomic buttons.



↑ 540/540ECO/1000 and Ground Speed PTO available.

# HYDRAULICS AND LIFT.

All the power needed, ultimate configurability.

The new 5080 DF/DS/DV Ecoline family features hydraulic systems that meet even the most challenging requests made by the most demanding implements used between rows; the incredibly modular system can be "tailored" to offer the best solution for every need.

The hydraulic system also comes with two hydraulic pumps as standard: the main 54 l/min pump is dedicated to the lift and distributors, while the second pump (up to 45 l/min) is exclusively for the steering wheel and accessory services, to guarantee very fluid manoeuvring even with the engine at minimum and while also using the lift and/or the hydraulic distributors.

For even greater needs, a pair of tandem pumps can be installed instead of the main pump, for a total capacity of 64 l/min. 3 double-acting rear hydraulic distributors with flow setting valve and free return line are fitted as standard, to easily and immediately power the most demanding hydraulic motors.

To meet specific requests, up to 4 ways can be duplicated in the mid-mounted position, besides free return. Great attention is also paid to the environment, with a tank for the recovery of any oil that may have escaped when connecting the hydraulic pipes.

The powerful lift attains up to 2800 Kg on the 5080 DF Ecoline and 2600 Kg on the other versions. It is available both with classic mechanical management and with electronic control. Along with electronic control for the lift, commands for remote control are also available on the rear mudguard. A powerful 1500 Kg front lift and hydraulic stabilisers for the rear lift are available as options.

The hydraulic flow control valve is standard, and the command can be directly activated from the driving position.

## Highlights

- Powerful rear lift, also available with electronic control
- Optional 1500 Kg front lift
- Hydraulic system with pump that delivers up to 64 l/min to the distributors
- Flow control valve standard
- Three distributors with free return as standard and up to 2 mid-mounted position distributors with free return as an option
- Controls laid out rationally and ergonomically



↑ Simple and effective mechanical rear lift control.



↑ Electronic rear lift available.



⬆ Up to two flow regulators available.



⬆ Up to 4 mid-mounted hydraulic ways and 1 free return.



## Highlights

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- Auto 4WD available, for maximum comfort and traction
- True 4WD braking with brake discs on all wheels
- Innovative independent articulated quadrilateral adaptive front suspension system, as an option
- Elevated maximum admissible load capacity, thanks to specifically designed axles

# AXLES AND BRAKES.

Unique and innovative, for unmatched safety and productivity.

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As an alternative to a conventional high load capacity swing axle, the new 5080 DF/DS/DV Ecoline family is available with an optional exclusive hydropneumatic independent articulated quadrilateral adaptive front suspension system which ensures optimised damping action in relation to ground speed and steering angle. The system employs an array of specific sensors and a dedicated electronic control unit to manage the dynamic behaviour of the vehicle and ensure levels of comfort and stability, whether in the field or on the road, that operators normally only expect from a much higher power tractor. Thanks to the advanced management of the parameters monitored, by means of a pair of hydraulic cylinders and

3 nitrogen accumulators, the ideal attitude can now be maintained in all conditions. The control software includes two important supplementary features, Anti-Dive and Anti-Roll, as standard thereby increasing the active safety of the machine. Specifically, Anti-Dive counters the tendency of the front axle to compress suddenly under braking, causing weight transfer towards the front of the machine. This reduces stopping distances significantly, especially in the case of sudden, emergency braking. Anti-Roll, on the other hand, automatically adjusts the stiffness of the system in relation to steering angle and vehicle speed to improve stability and grip when cornering.



↑ High maneuverability ensured by the generous steering angle.



↑ Auto 4WD and Stop&Go functions available.

The system stiffens the suspension of the outer wheel, keeping the vehicle correctly balanced and drastically reducing potentially dangerous roll.

Electro-hydraulic management of the activation of front wheel drive and of the 100% locking of both differentials is standard, guaranteeing maximum traction on all terrain. As is now conventional, for safety without compromise on specialised DEUTZ-FAHR models, real true braking is also standard, thanks to the presence of brake discs on all 4 wheels.



↑ Independent front axle suspension available on all models.

# FLEXIBILITY.





Underscoring the wide choice of configurations, the new models of the 5080 DF/DS/DV Ecoline family are available either with comfortable cabs or with foldable ROPS.

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## DRIVING POSITION.

Ultimate comfort, whether using a version with a cab or with foldable ROPS and platform.

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Innovative cabs with just 4 pillars are available for all versions of the new 5080 DF/DS/DV Ecoline family, for unobstructed lateral visibility that offers a new level of control over the implements working between the rows. Despite the maximum height of the tractor remaining below 2.5 metres, the new cabs offer top level furnishings, with a large number of advanced ergonomic solutions, guaranteeing a high level of comfort throughout the working day. Available in various widths and with different wheel arch

configurations, they are all equipped with an adjustable steering wheel and activated carbon filters, to offer the driver optimal protection against dust, pollen and fumes.

In order to keep sizes and costs at a minimum, the 5080 DF/DS/DV Ecoline family is also available in a platform version, with a two-pillar, foldable front roll bar.





↑ All models are available as platform version with 2-post foldable safety frame.



↑ Ergonomically laid-out controls.

## Highlights

- Comfortable, spacious cabs available in different versions, depending on tyre size
- Cabs with just 4 pillars, to offer unobstructed lateral visibility
- Platform versions with two-pillar, foldable front ROPS
- Numerous accessories available for selection: seats with air suspension, smartphone support, USB ports, etc.



↑ Practical smartphone holder with 2 USB plugs.



# OPTIONS.

Numerous accessories available to configure the tractor for every need.

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Given its core objective, which is to provide machine configurations that offer the best solution for each need and guarantee top performance under all working conditions, DEUTZ-FAHR has designed numerous options in terms of transmission, hydraulics, tyres, ballasts, front and rear mudguards, braking systems for trailers and accessory equipment.

The compact dimensions and extraordinary agility of the new 5080 DF/DS/DV Ecoline family also make it the ideal choice for road

maintenance applications, especially on mountain roads and in historical town centres. For this reason, the models of this range are also available in the special orange colour scheme with specially shaped tyres suitable for activities typically carried out by municipal authorities. A wide range of diesel tanks are also available, with up to 95 litres of capacity.



↑ Two upper repeater headlights available.



↑ Fully integrated front lift and front PTO.

## Highlights

- Numerous equipment options available, with lots of accessories and tyre combinations
- Special orange-coloured versions for municipal activities
- Various ballast weights available
- Different types of braking for trailers
- Optional front lift



↑ Special orange municipal body equipment.

TECHNICAL DATA		5080 DF ECOLINE	
<b>ENGINE</b>			
Model			FARMotion 35
Emission level			Stage V
Aspiration			Turbo Intercooler
Injection @ pressure	Type		Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc		3/2887
Max. power (ECE R120)	kW/HP		55.8/76
Power at rated engine speed (ECE R120)	kW/HP		55.2/75
Max torque @ 1500 rpm	Nm		341
Fuel tank capacity (with front lift/PTO)	l		55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO)	l		95 (75)
<b>TRANSMISSION - MECHANICAL SHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>TRANSMISSION - POWERSHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>PTO</b>			
PTO speeds			540/540ECO or 540/540ECO/1000
Groundspeed PTO			○
Front PTO 1000			○
<b>LIFT</b>			
Mechanical rear lift			●
Electronic rear lift			○
Rear lift capacity	Kg		2800
Hydraulic right tie rod and stabilisers			○
Front lift (1500 Kg)			○
<b>HYDRAULICS</b>			
Open centre hydraulic system (STD)	l/min		54
Open centre hydraulic system with double pump (OPT)	l/min		64
Rear spool valves (STD)	n°		3
Flow regulator			●
Rear free return			●
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways		2/4
Mid-mounted free return			○
<b>BRAKES</b>			
4 wheel braking			●
Hydraulic trailer brake			○
<b>FRONT AXLE</b>			
Electrohydraulic engagement for 4WD and Diff.Lock			●
Auto 4WD			○
Independent steering pump			●
<b>INDEPENDENT FRONT SUSPENDED AXLE (OPT)</b>			
Adaptive-Damping, Active Self-Levelling functions			●
Anti-Dive, Anti-Roll functions			●
Differential Traction Control (DTC)			●
<b>CAB</b>			
4-post cab			●
Driver seat with pneumatic suspension			●
Air conditioning			○
4x Halogen working lights			●
Adjustable steering column			●
<b>PLATFORM</b>			
2-post foldable ROPS			●
Driver seat with mechanical suspension			●

● = standard ○ = option – = not available

\* According to rear tyres size. ECO only for 5080 DF Ecoline and 5080 DS Ecoline

TECHNICAL DATA		5080 DS ECOLINE	
<b>ENGINE</b>			
Model			FARMotion 35
Emission level			Stage V
Aspiration			Turbo Intercooler
Injection @ pressure	Type		Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc		3/2887
Max. power (ECE R120)	kW/HP		55.8/76
Power at rated engine speed (ECE R120)	kW/HP		55.2/75
Max torque @ 1500 rpm	Nm		341
Fuel tank capacity (with front lift/PTO)	l		55 (35)
Fuel tanks capacity with additional fuel tank (with front lift/PTO)	l		85 (65)
<b>TRANSMISSION - MECHANICAL SHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>TRANSMISSION - POWERSHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>PTO</b>			
PTO speeds			540/540ECO or 540/540ECO/1000
Groundspeed PTO			○
Front PTO 1000			○
<b>LIFT</b>			
Mechanical rear lift			●
Electronic rear lift			○
Rear lift capacity	Kg		2600
Hydraulic right tie rod and stabilisers			○
Front lift (1500 Kg)			○
<b>HYDRAULICS</b>			
Open centre hydraulic system (STD)	l/min		54
Open centre hydraulic system with double pump (OPT)	l/min		64
Rear spool valves (STD)	n°		3
Flow regulator			●
Rear free return			●
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways		2/4
Mid-mounted free return			○
<b>BRAKES</b>			
4 wheel braking			●
Hydraulic trailer brake			○
<b>FRONT AXLE</b>			
Electrohydraulic engagement for 4WD and Diff.Lock			●
Auto 4WD			○
Independent steering pump			●
<b>INDEPENDENT FRONT SUSPENDED AXLE (OPT)</b>			
Adaptive-Damping, Active Self-Levelling functions			●
Anti-Dive, Anti-Roll functions			●
Differential Traction Control (DTC)			●
<b>CAB</b>			
4-post cab			●
Driver seat with pneumatic suspension			●
Air conditioning			○
4x Halogen working lights			●
Adjustable steering column			●
<b>PLATFORM</b>			
2-post foldable ROPS			●
Driver seat with mechanical suspension			●

● = standard ○ = option – = not available

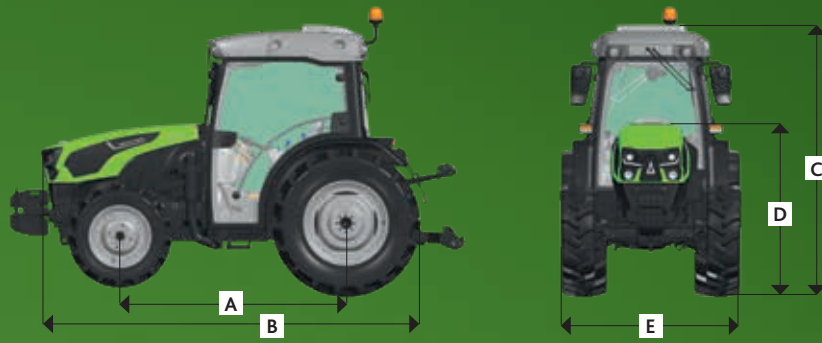
\* According to rear tyres size. ECO only for 5080 DF Ecoline and 5080 DS Ecoline

TECHNICAL DATA		5080 DV ECOLINE	
<b>ENGINE</b>			
Model			FARMotion 35
Emission level			Stage V
Aspiration			Turbo Intercooler
Injection @ pressure	Type		Common Rail @ 2,000 bar
Cylinder/Displacement	n°/cc		3/2887
Max. power (ECE R120)	kW/HP		55.8/76
Power at rated engine speed (ECE R120)	kW/HP		55.2/75
Max torque @ 1500 rpm	Nm		341
Fuel tank capacity (with front lift/PTO)	l		55 (35)
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<b>TRANSMISSION - MECHANICAL SHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>TRANSMISSION - POWERSHUTTLE</b>			
Number of speeds - 5 gears transmission			30+15 (with mechanical splitter) or 45+45 (with HML 3-Powershift steps)
Max. speed - 5 gears transmission	km/h		40 ECO*
<b>PTO</b>			
PTO speeds			540/540ECO or 540/540ECO/1000
Groundspeed PTO			○
Front PTO 1000			○
<b>LIFT</b>			
Mechanical rear lift			●
Electronic rear lift			○
Rear lift capacity	Kg		2600
Hydraulic right tie rod and stabilisers			○
Front lift (1500 Kg)			○
<b>HYDRAULICS</b>			
Open centre hydraulic system (STD)	l/min		54
Open centre hydraulic system with double pump (OPT)	l/min		64
Rear spool valves (STD)	n°		3
Flow regulator			●
Rear free return			●
Mid-mounted hydraulic ways - duplicated from rear (OPT)	n° of ways		2/4
Mid-mounted free return			○
<b>BRAKES</b>			
4 wheel braking			●
Hydraulic trailer brake			○
<b>FRONT AXLE</b>			
Electrohydraulic engagement for 4WD and Diff.Lock			●
Auto 4WD			○
Independent steering pump			●
<b>INDEPENDENT FRONT SUSPENDED AXLE (OPT)</b>			
Adaptive-Damping, Active Self-Levelling functions			●
Anti-Dive, Anti-Roll functions			●
Differential Traction Control (DTC)			●
<b>CAB</b>			
4-post cab			●
Driver seat with pneumatic suspension			●
Air conditioning			○
4x Halogen working lights			●
Adjustable steering column			●
<b>PLATFORM</b>			
2-post foldable ROPS			●
Driver seat with mechanical suspension			●

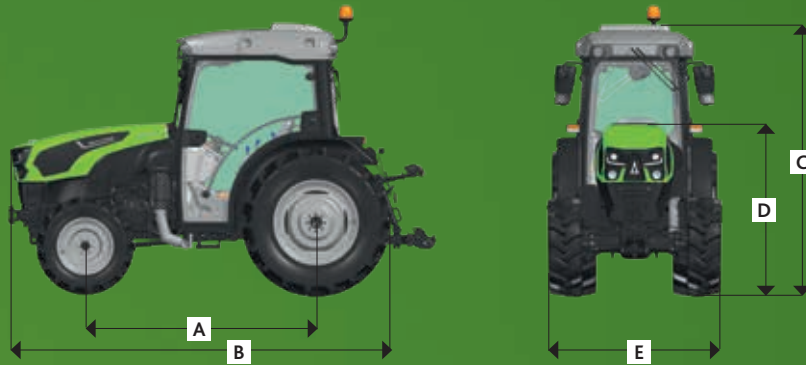
● = standard ○ = option – = not available

\* According to rear tyres size. ECO only for 5080 DF Ecoline and 5080 DS Ecoline

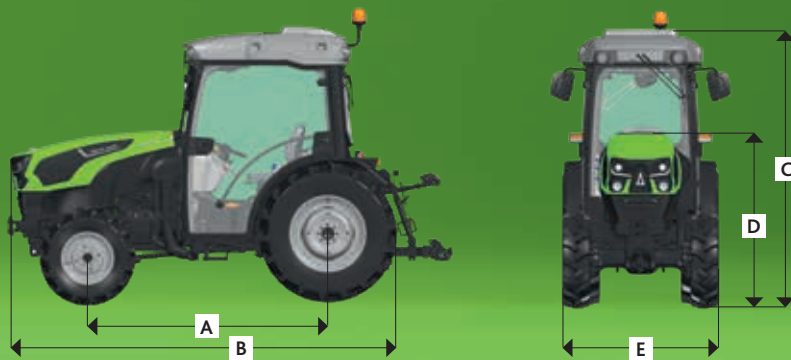
Technical data and figures are only provided for guidance. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.



TECHNICAL DATA		5080 DF ECOLINE	
<b>DIMENSIONS</b>			
With front tyre	Size	300/70 R20	
With rear tyre	Size	420/70 R28	
Wheelbase (A)	mm	2011	
Max. length (B)	mm	3680	
Total height - CAB (C)	mm	2396	
Height at bonnet (D)	mm	1453	
Width (E)	mm	1624	
Weight - platform	Kg	2730	
Weight - CAB	Kg	2995	
Total admissible load	Kg	5000	




TECHNICAL DATA		5080 DS ECOLINE	
<b>DIMENSIONS</b>			
With front tyre	Size	280/70 R18	
With rear tyre	Size	380/70 R28	
Wheelbase (A)	mm	2050	
Max. length (B)	mm	3695	
Total height - CAB (C)	mm	2371	
Height at bonnet (D)	mm	1503	
Width (E)	mm	1380	
Weight - platform	Kg	2695	
Weight - CAB	Kg	2850	
Total admissible load	Kg	4600	



TECHNICAL DATA		5080 DV ECOLINE	
<b>DIMENSIONS</b>			
With front tyre	Size	180/95 R16	
With rear tyre	Size	280/85 R24	
Wheelbase (A)	mm	2050	
Max. length (B)	mm	3695	
Total height - CAB (C)	mm	2271	
Height at bonnet (D)	mm	1483	
Width (E)	mm	1166	
Weight - platform	Kg	2670	
Weight - CAB	Kg	2830	
Total admissible load	Kg	4600	

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

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