

5DS/5DV/5DF



SPECIALIST TRACTORS
FROM 75 TO 113 HP





THE NEW 5DS, 5DV, 5DF AND
5DF ECOLINE SERIES. THE GREATEST
MODEL CHOICE FOR MAXIMUM
PRODUCTIVITY.



STAGE 3B (TIER 4I)	3 CYL. / 75 HP	3 CYL. / 88 HP	3 CYL. / 97 HP	4 CYL. / 75 HP	4 CYL. / 88 HP	4 CYL. / 102 HP	4 CYL. / 113 HP
5DS/5DV	5080	5090	5100	-	5090.4	5105	5115
5DF	5080	5090	5100	-	5090.4	5105	5115

From vineyard and orchard work to gardening, landscaping and municipal applications, maximum productivity and flexibility are basic requirements of a financially successful business. With the 5DS, 5DV, 5DF and 5DF Ecoline series, DEUTZ-FAHR has released a new generation of highly innovative specialist tractors that meet the most exacting demands in terms of productivity and equipment flexibility. The front has been completely redesigned. The engines, cooling systems and fuel tanks are very compact under the revamped bonnet. Thanks in part to the new geometry of the front support, which ensures to have an axle steering angle up to 60 degrees. In combination with the shortest wheelbases in their class, this makes

the new specialist tractors from DEUTZ-FAHR the most agile on the market – and they are also the most innovative with a variety of technical highlights, such as independent suspension on the front axle, highly efficient FARMotion engines, 40 km/h ECO PowerShift transmission and diverse hydraulic options. With a wide number of models in total offering an out-put from 75 to 113 hp and equipment options ranging from high-tech to economical, DEUTZ-FAHR presents the widest choice of models in this class. Every farm is guaranteed to find the right specialist tractor for its specific applications and driver comfort needs.

MECHANISATION IN VINEYARDS CONTINUES TO SPEED UP. SAVE COSTS? BECOME LESS DEPENDENT ON EXTERNAL WORKERS? AND YET KEEP THE QUALITY OF GRAPES IN SIGHT AT ALL TIMES? THE NEW SPECIALIST TRACTORS FROM DEUTZ-FAHR WILL HELP YOU GROW – AND YOUR FARM, TOO.







**FRONT AXLE WITH INDEPENDENT
SUSPENSION. MAXIMUM COMFORT
ON EVERY TERRAIN.**



Improved turning radius thanks to a slimmer front support.



Independent wheel suspension with double wishbone design.



4 wheel braking system and separate brakes valve. Safety in every situation. Agile and smart in fast maneuvers.

The new DEUTZ-FAHR front axle concept is unique for specialist tractors, making it a real highlight. Independent wheel suspension with a double wishbone design allows each front wheel to move vertically to a different extent. This results in maximum suspension in all operating scenarios. The spring stroke of each wheel is controlled by an adaptive electro-hydraulic system, ensuring that the wheel contact patch always touches the ground fully. The differential traction control (DTC) system constantly monitors wheel revolutions and always applies torque to the wheels during maximum ground contact. Furthermore, this innovative control system gives DEUTZ-FAHR specialist tractors maximum roll and directional stability. The Anti-Dive control prevents the

front axle from diving and the subsequent shift in load, while the Anti-Roll function ensures directional stability and stops the vehicle from rocking when it corners or turns by automatically adjusting the speed of travel depending on the steering angle. The slim geometry of the front axle frame allows a steering lock angle of up to 60°. The turning radius has been reduced by 10% to three metres on average. A hydraulic four-wheel brake is a matter of course, as is the 100% differential lock and the automatic electro-hydraulic engagement of the four-wheel drive. All of this means that the innovative front axle concept guarantees maximum wheel grip, traction, stability and safety for all ground conditions – both on and off the road.



ADVANTAGES

- ▶ Optimized compact dimensions and improved maneuverability performance
- ▶ Improved stability, thanks to the compact independent wheels scheme (both in field and road conditions)
- ▶ Improved adherence, thanks to the wheels always parallel to the ground
- ▶ Optimum traction and safe braking, thanks to all four wheels to maintain ground contact longer
- ▶ Improved handling, thanks to the high steering performance and to the adaptability to the ground
- ▶ Improved off road grip and on road holding, thanks to the Differential Traction Control
- ▶ Improved comfort, thanks to the drastically reduced vibrations experienced by the driver
- ▶ Improved safety, thanks to the low center of gravity and to 4 four points of support to the ground

INDEPENDENT FRONT AXLE SUSPENSION FOR 5DS/DV SERIES

MORE COMFORT, SAFETY, TRACTION AND AGILITY.

For the first time in the orchard and vineyard market, DEUTZ-FAHR has introduced an exclusive front axle system management. This solution consists of an independent suspension with double wishbone design scheme managed by an adaptive electro-hydraulic system which works in synergy with a DTC (differential traction control): an exclusive

and unique package that DEUTZ-FAHR has been able to apply to a compact narrow tractor. Thanks to the damping management, the self-levelling system and the traction control, the system improves stability, adherence, traction, comfort and safety in all terrain conditions, both in the field and on the road.



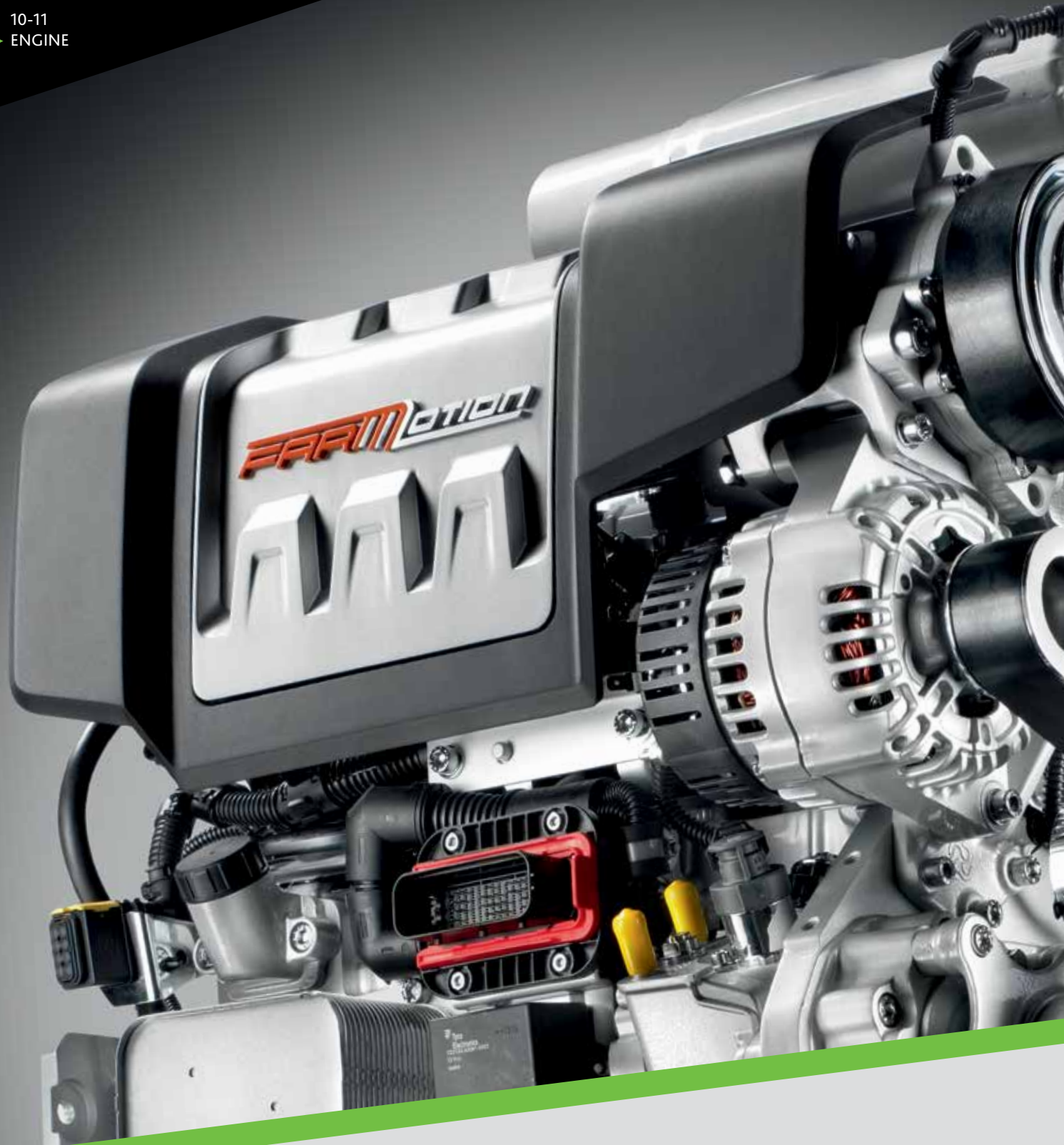
The independent front axle is equipped with the DTC system. The electronic management of the DTC is able to identify the wheelspin and, managing the clutch, transfers in a progressive way the torque where there is more grip.



State of the art suspension. The "double wishbone" geometry from high horsepower open field tractors now available for orchards and vineyards tractors.

TECHNICAL DATA		5 DS SERIES					
		5080 DS	5090 DS	5100 DS	5090.4 DS	5105 DS	5115 DS
ENGINE		FARMotion	FARMotion	FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)
Cylinders/Displacement	n°/cc	3/2887	3/2887	3/2887	4/3849	4/3849	4/3849
Maximum power (ECE R 120)	kW/hp	55,4/75	65/88	71/96	65/88	75/102	83/113
Power at rated engine speed (ECE R 120)	kW/hp	55,4/75	61,5/83	67/91	61,8/84	71,5/97	79/107
Rear lift capacity	kg	2600	2600	2600	2600	2600	2600
Overall rear width (min-max)	mm	1264-1517	1264-1517	1264-1517	1264-1517	1264-1517	1264-1517
Total unladen weight (Cab)	kg	3020	3020	3020	3140	3140	3140

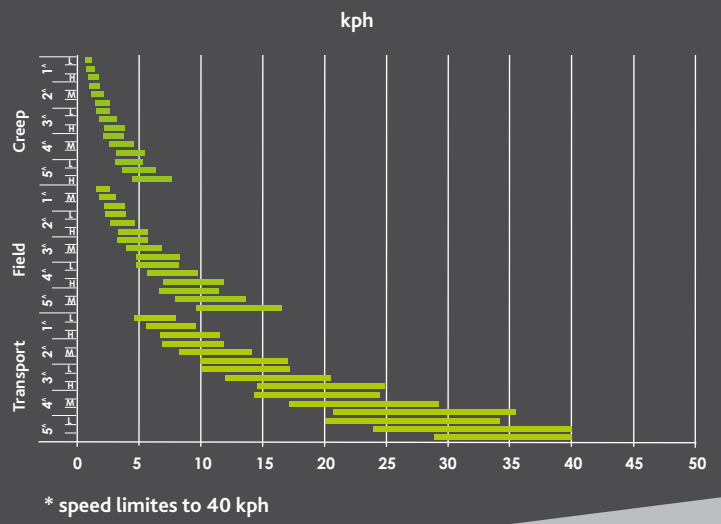
TECHNICAL DATA		5 DV SERIES					
		5080 DV	5090 DV	5100 DV	5090.4 DV	5105 DV	5115 DV
ENGINE		FARMotion	FARMotion	FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)
Cylinders/Displacement	n°/cc	3/2887	3/2887	3/2887	4/3849	4/3849	4/3849
Maximum power (ECE R 120)	kW/hp	55,4/75	65/88	71/96	65/88	75/102	83/113
Power at rated engine speed (ECE R 120)	kW/hp	55,4/75	61,5/83	67/91	61,8/84	71,5/97	79/107
Rear lift capacity	kg	2600	2600	2600	2600	2600	2600
Overall rear width (min-max)	mm	1163-1293	1163-1293	1163-1293	1163-1293	1163-1293	1163-1293
Total unladen weight (Cab)	kg	2950	2950	2950	3070	3070	3070



FARMOTION ENGINES.
MAXIMUM EFFICIENCY
IN A COMPACT UNIT.



**MAXIMUM GEAR RANGE. HOWEVER
YOU CHANGE GEAR, 40 KM/H ECO
IS ALWAYS POSSIBLE.**



PowerShift. Change gears at the push of a button without depressing the clutch.



Powershuttle. Change the direction of travel with a single touch.



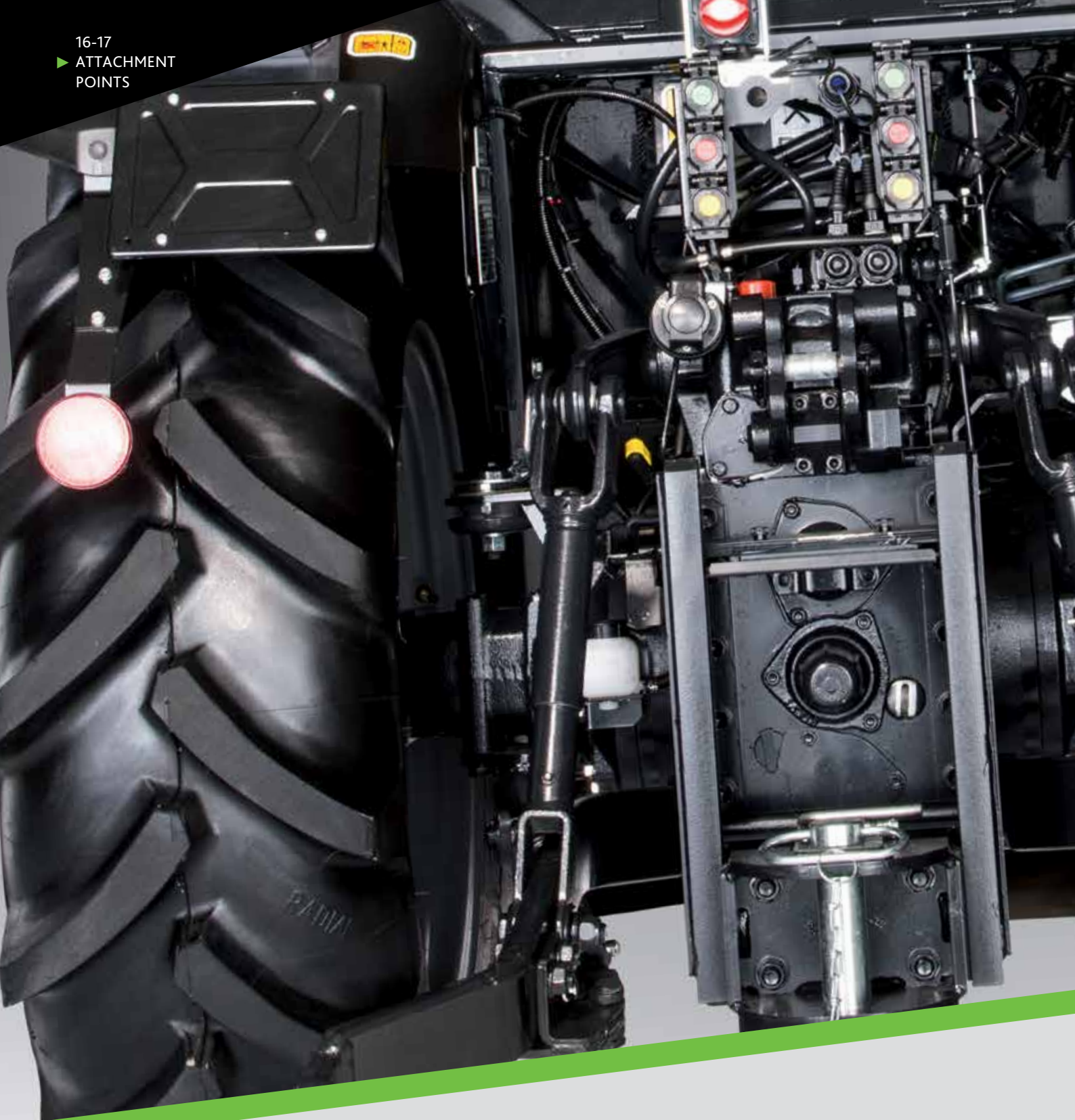
Stop&Go. Start and stop the vehicle in comfort without using the clutch pedal.

The transmission systems of the new DEUTZ-FAHR specialist tractors have also been specially developed to meet the high demands of modern agricultural businesses. Efficiency, versatility and equipment flexibility were the most important criteria here. The three-stage PowerShift transmission with five gears is unique in this tractor class. It provides up to 45 forward and 45 reverse gears. For greater driver comfort, gear changes can be carried out at the push of the Comfort-Clutch button on the gear shift lever without any need to depress the clutch. The Stop&Go system (GS) allows a convenient starting and stopping without using the clutch pedal. Choose the transmission system that provides a perfect fit for your work profile and comfort needs. For the 5DS, 5DV and 5DF models, a mechanical five-speed transmission is available with up to 30 forward and 15 reverse gears. A speed of 40 km/h ECO can be achieved with all models using any tyres. The 'overspeed' concept vastly reduces fuel consumption and noise levels during transport operations. Maximum efficiency and optimal driver comfort are the result.

THE NARROWER, THE BETTER FOR THE NEW DEUTZ-FAHR SPECIALIST TRACTORS. MANOEUVRABILITY IN SMALL AREAS, HIGH POWER WHEN IT IS NEEDED, TRACTION AND WHEEL GRIP IN ALL CONDITIONS, WINTER SERVICE, ROAD AND LAND MAINTENANCE, AND CLEANING WORK – THE VARIETY OF MUNICIPAL APPLICATIONS IS AS BROAD AS THE RANGE OF MODELS.



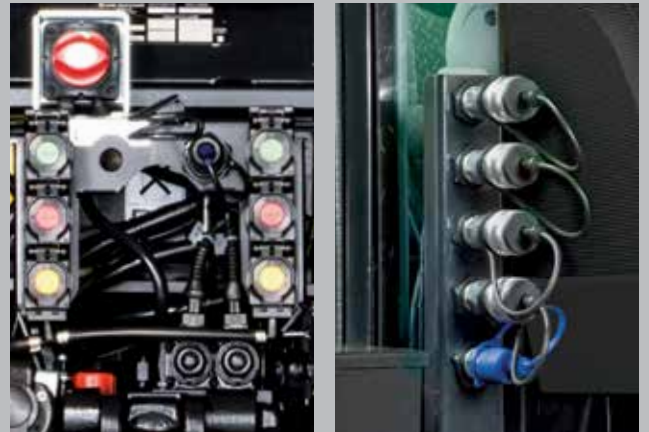




**TRIPLE INDIVIDUALITY:
ATTACHMENT AREAS AT THE FRONT,
IN THE MIDDLE AND AT THE REAR.**



Front attachment points. Equipped for every application.



Up to six hydraulic spool valves at the rear and front.



Controls for the rear power lift and hydraulic working equipment: close together and easy to access.

From vineyards to orchards, from tilling the land to tending and harvesting crops, and from municipal winter service to road and site maintenance – versatility and adaptability is a strength of the new DEUTZ-FAHR specialist tractors. With up to 2,800 kg lift capacity at the rear and 1,500 kg at the front, all possible combinations of equipment can be easily moved. The rear power lift can be electronically controlled if desired. For all 5DS, 5DV and 5DF models, two separate hydraulic circuits provide a full flow rate for operating equipment, power lifts and tractor functions. The standard pump capacity is 54 l/min and three spool valves at the rear. An optional 64 l/min tandem pump is available for the parallel operation of a rear power lift and up to six

spool valves at the front and rear. In order to ensure that the hydraulics fully match your operating profile, DEUTZ-FAHR offers five defined hydraulic packages that range from basic to high-tech. External operation of the rear lift from the wing makes attaching work equipment a safe and straightforward procedure. The choice of PTO functions is also highly varied. Three PTO speeds are standard as a matter of course at DEUTZ-FAHR: 540, 540 Eco and 1,000. The PTO is activated using a button and electro-hydraulic controls. This guarantees a smooth start without jerks. A ground-speed PTO is available as an option.



HIGH-FLOW. MORE HYDRAULIC PERFORMANCE

HYDRAULIC SYSTEM WITH 3 LEVELS AND A FLOW RATE OF UP TO 131 L/MIN.

Today, the use of hydraulic tools has become a standard in vineyards and orchards and is essential for professional work. At the same time, the used tools are numerous and all have individual, high demands regarding the hydraulic system: For some a moderate flow rate paired with multiple distributors is sufficient, others need only few distributors but a very high flow rate or a distributor with time-control. However the demands regarding the tractor hydraulic system are varied, individual and complex.

Winning features of a hydraulic system must therefore include: an elevated and programmable flow rate; precise, rational management of distributors and a suitable number for both front and rear distribution. It can be challenging to fulfill all these different customer need, but DEUTZ-FAHR has stepped up to the challenge with the models from the 5DS, 5DV and 5DF Series and with three new hydraulic systems.



ELECTRONIC/PROPORTIONAL JOYSTICK

List of functions:

- ▶ High-Flow activation
- ▶ Lock/unlock hydraulics
- ▶ Float function
- ▶ Flow regulator
- ▶ Display of distributors
- ▶ Programming of electrohydraulic distributors



HIGH-FLOW

- 4 distributors (with flow regulator) managed by means of an electronic joystick, for precise control over the simultaneous movement of low flow rate tools.



- 2 proportional electrohydraulic distributors high flow distribution, controlled by means of electro-proportional thumb-wheels, which regulate time and flow (viewed on the instrument cluster's digital display), detent, float and kick-out.
- 2 return lines.

POWER-FLOW

- Power beyond.
- 1 return line.



- 2 proportional electrohydraulic distributors high flow distribution, controlled by means of electro-proportional thumb-wheels, which regulate time and flow (viewed on the instrument cluster's digital display), detent, float and kick-out.
- 2 return lines

SETTING-FLOW

- 4 distributors (with flow regulator) managed by means of an electronic joystick, for precise control over the simultaneous movement of low flow rate tools.



- 1 way (average flow rate, with flow regulator).
- 1 return line.

		Setting-Flow	Power-Flow	High-Flow
1 Tandem pump (transmission)		64	-	-
2 Tandem pumps (transmission + engine)	l/min	-	131 (64+67)	131 (64+67)
Single pump (steering wheel)	l/min	45	45	45
Number of front ways (right)	l/min	8 (adjustment)	1 (Power beyond)	8 (adjustment)
Number of front ways (left)	No.	1	4 (high flow rate)	4 (high flow rate)
Power sockets	No.	2	2	2
Electronic joystick	No.	•	•	•
Mechanical flow regulator, front ways (right)		•	•	•
Mechanical flow regulator, front ways (left)		•	-	-
Electronic flow regulator, front ways (left)		-	•	•
Float function (ways)	No.	4	4	8

FOR ANYONE INVOLVED IN PLANNING, BUILDING, REDEVELOPING, LANDSCAPING OR MAINTAINING PARKS AND OUTDOOR AREAS, VERSATILITY AND PRECISION ARE KEY COMPETITIVE ADVANTAGES. THE NEW SPECIALIST TRACTORS FROM DEUTZ-FAHR COMBINE BOTH OF THESE AND ONE MORE IMPORTANT FACTOR: MAXIMUM PRODUCTIVITY.







DEUTZ-FAHR COMFORT CAB.
FOR THE BEST POSSIBLE
PERSPECTIVES AT WORK.



Seven ventilation nozzles ensure a pleasant working environment – even during long working days.



The air conditioning and working headlight controls are easy to reach in the roof.



Mechanical or pneumatic suspension seat option availability.

Cab comfort has not been a mere luxury for specialist tractors for some time. A more pleasant working environment means less severe environmental factors such as cold, heat, dust, crop protection agents and noise – and longer periods of concentration and performance for the driver. The four-post cab of the new specialist tractors meets the highest DEUTZ-FAHR standards. Maximum visibility in every direction, covering all areas relevant to work and safety, is ensured by the one-piece windscreen and all-round glazing. Outside, the cab is compact and slim. There are no sharp edges that could damage crops. Inside,

a cutting-edge design and high-quality, light materials create a positive atmosphere. The interior is calm and peaceful. With numerous noise-absorbing elements and other technical details, the engineers at DEUTZ-FAHR have succeeded in minimising noise inside the cab. The air conditioning system is powerful, and the air distribution absolutely even. Seven adjustable ventilation nozzles keep the driver's preferred temperature constant in all parts of the cab at all times. There are new seat options for the driver, including a choice of various versions with different suspension concepts, materials and settings.



MAXIMUM COMFORT.
A PLEASANT SEAT FOR EVERYONE.
AND EVERY MOVEMENT.



InfoCentre. All tractor functions clearly in view.



Hydraulics and rear power lift controls. Neatly arranged to the right of the seat.



Mechanical rear lift levers, functional and ergonomic.

Tall drivers, short drivers, slim drivers, well-built drivers, long arms and legs, short arms and legs – especially when it comes to extremely compact specialist tractors, designing the interior is a major challenge. The development team at DEUTZ-FAHR have overcome these difficulties with flair. Every driver can find the perfect working position in the new specialist tractors. The highest level of comfort begins with a wide door opening angle that makes getting in and out easy. A wide range of settings ensures the optimum seat position for the driver. All of the controls are within easy reach, arranged according to how often they are used and clearly colour coded. Orange is used

for everything related to driving the tractor, from changing gear to the Stop&Go function and electronic parking brake. All of the hydraulics controls are blue. The power lift controls are green, while yellow is used for PTO functions. Black indicates lights and air conditioning controls. The InfoCentre on the dashboard constantly provides the driver with clear information about the tractor's operating conditions using analogue and digital displays. It only takes a few minutes to get to grips with operating the new DEUTZ-FAHR specialist tractors before tackling the job in hand. Intuitive, extremely comfortable and productive.



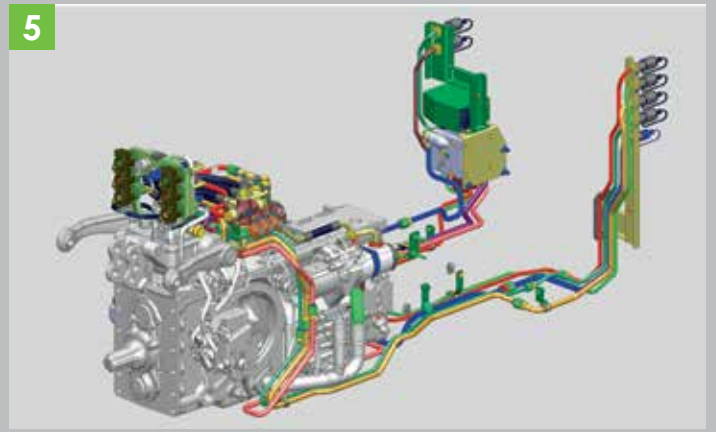
FACTORY-FITTED WITH MAXIMUM EQUIPMENT. MAKING YOUR SPECIALIST TRACTOR EVEN MORE SPECIAL.

You can choose from a wide range of additional equipment from the factory in order to optimise the new DEUTZ-FAHR specialist tractors for specific applications or to maximise comfort. From front ballasting, front hydraulics, a front PTO or a front mounting plate to side stabilisers and hydraulic lift rods for the rear power lift, trailer cou-

pling, five different hydraulic packages, air conditioning systems and cabin 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 sales partners would be pleased to offer advice.



1 Different front weights for working with heavy rear attachments.



5 Five defined hydraulic packages from basic to high-tech.



2 Front hydraulics and front PTO for efficient equipment combinations.



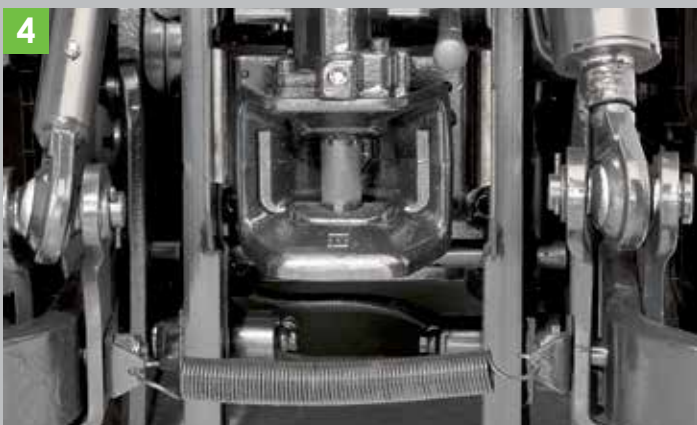
6 High-performance air conditioning system for a consistently pleasant cab working environment.



3 Front mounting plate for the fast, secure attachment of special equipment.



7 The cab air filter prevents dust and chemicals. Clean air inside the cab at all times.



4 Side stabilisers, hydraulic lift rods and trailer coupling complete the rear attachment area.



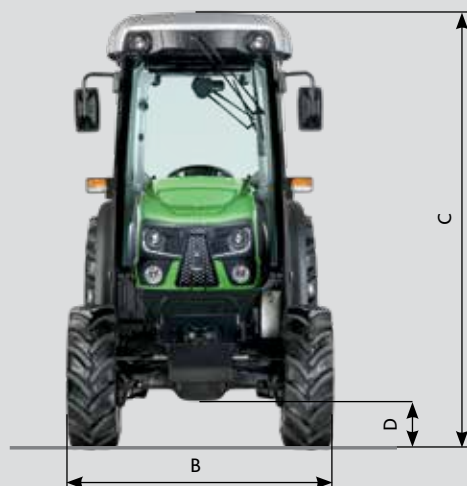
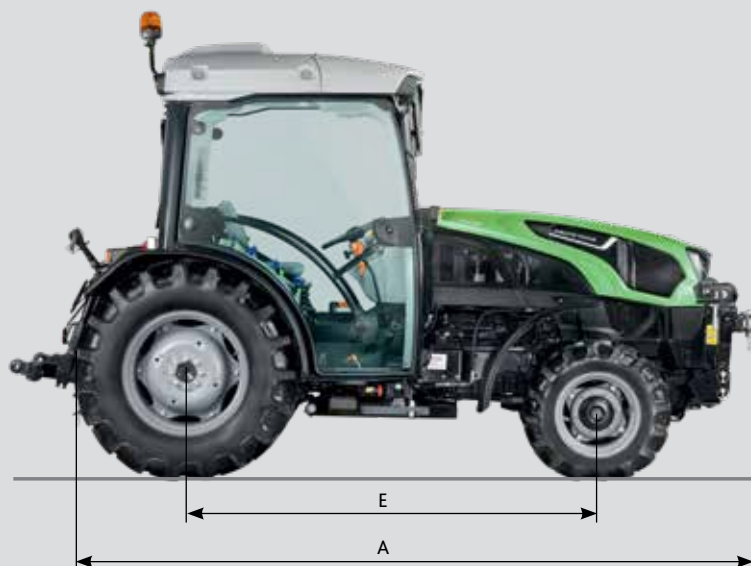
8 All models are also available with an open-platform design, if desired.

TECHNICAL DATA	5DS Series						
	5080 DS	5090 DS	5100 DS	5090.4 DS	5105 DS	5115 DS	
ENGINE							
Manufacturer		SDF	SDF	SDF	SDF	SDF	SDF
Model		FARMotion	FARMotion	FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)
Cylinder / Displacement	n°/cc	3/2,887	3/2,887	3/2,887	4/3,849	4/3,849	4/3,849
Turbo Intercooler		●	●	●	●	●	●
Max. power (ECE R120)	kW/hp	55.4/75	65/88	71/97	65/88	75/102	83/113
Power at rated engine speed (ECE R 120)	kW/hp	55.4/75	61.5/83	67/91	61.8/84	71.5/97	79/107
Maximum torque	Nm	342	354	369	354	408	435
Engine speed at maximum torque	rpm	1,500	1,600	1,600	1,600	1,600	1,600
Electronic engine control		●	●	●	●	●	●
Fuel tank capacity	litres	55	55	55	55	55	55
Fuel tank capacity with front lift + PTO/Front suspension	litres	35	35	35	35	35	35
Supplementary tank	litres	30	30	30	30	30	30
SHUTTLE							
Mechanical Synchronised Shuttle (LS)		●	●	●	●	●	●
Hydraulic PowerShuttle with Stop&Go system (GS)		●	●	●	●	●	●
MECHANICAL TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	n°	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15
POWERSHIFT TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	n°	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45
Powershift number of speeds	n°	3	3	3	3	3	3
REAR PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 540/540ECO		●	●	●	●	●	●
PTO 540/540ECO/1000		○	○	○	○	○	○
PTO 540/540ECO and Ground PTO		○	○	○	○	○	○
FRONT PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 1000		○	○	○	○	○	○
AXLES AND BRAKES							
Four wheel drive electrohydraulically engaged		●	●	●	●	●	●
Electrohydraulically engaged differential lock		●	●	●	●	●	●
Auto 4WD		○	○	○	○	○	○
Parking brake independent		●	●	●	●	●	●
Trailer braking hydraulic		●	●	●	●	●	●
Hydrostatic steering with independent pump (with Mech.Transm./HML)	l/min	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45
Axle steering angle	degrees	60	60	60	60	60	60
INDEPENDENT FRONT WHEEL SUSPENSION SYSTEM							
Adaptive-Damping		●	●	●	●	●	●
Active Self-Leveling		●	●	●	●	●	●
Anti-Dive		●	●	●	●	●	●
Anti-Roll		●	●	●	●	●	●
DTC (Differential Traction Control)		●	●	●	●	●	●
HITCH							
Mechanical rear hitch		●	●	●	●	●	●
Electronic rear hitch		○	○	○	○	○	○
Rear lift capacity	kg	2,600	2,600	2,600	2,600	2,600	2,600
Front hitch		○	○	○	○	○	○
Front hitch capacity	kg	1,500	1,500	1,500	1,500	1,500	1,500
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l/min	54	54	54	54	54	54
Fixed displacement pump (optional)	l/min	38 + 26	38 + 26	38 + 26	38 + 26	38 + 26	38 + 26
Rear auxiliary hydraulic valve (max)	n°	3	3	3	3	3	3
Mid mounted valve	n°	2+1	2+1	2+1	2+1	2+1	2+1

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

TECHNICAL DATA		5DS Series					
		5080 DS	5090 DS	5100 DS	5090.4 DS	5105 DS	5115 DS
PLATFORM							
Suspended on silent-block mounts		●	●	●	●	●	●
Folding ROPS		●	●	●	●	●	●
CAB							
Suspended on silent-block mounts		●	●	●	●	●	●
Ventilation and heating		●	●	●	●	●	●
Air conditioning		○	○	○	○	○	○
DIMENSIONS AND WEIGHTS							
Front axle width (flange to flange)	mm	1,124	1,124	1,124	1,124	1,124	1,124
Rear axle width (flange to flange)	mm	1,114	1,114	1,114	1,114	1,114	1,114
Overall rear width (min-max)	mm	1,264-1,517	1,264-1,517	1,264-1,517	1,264-1,517	1,264-1,517	1,264-1,517
With front tyres (ETRTO section)		240/70R16 (256)	240/70R16 (256)	240/70R16 (256)	260/70R16 (271)	280/70R16 (296)	280/70R16 (296)
With rear tyres (ETRTO section)		360/70R24 (375)	360/70R24 (375)	360/70R24 (375)	380/70R24 (399)	420/70R24 (439)	420/70R24 (439)
Length from front ballast support to the rear lift arm in lower position (A)	mm	3,829	3,829	3,829	3,959	3,959	3,959
Overall width (front-rear) (B)	mm	1,366-1,367	1,366-1,367	1,366-1,367	1,381-1,391	1,460-1,461	1,460-1,461
Height at cab with AC (C)	mm	2,296	2,296	2,296	2,321	2,346	2,346
Height at cab without AC (C)	mm	2,257	2,257	2,257	2,282	2,307	2,307
Height at safety frame	mm	2,419	2,419	2,419	2,574	2,599	2,599
Height at engine hood	mm	1,443	1,443	1,443	1,453	1,483	1,483
Height at steering wheel	mm	1,348	1,348	1,348	1,358	1,388	1,388
Height at rear fenders	mm	1,195	1,195	1,195	1,220	1,360	1,360
Axle center up to top edge of cab without/with AC	mm	1,746/1,707	1,746/1,707	1,746/1,707	1,746/1,707	1,746/1,707	1,746/1,707
Ground clearance (front axle) (D)	mm	233	233	233	243	273	273
Ground clearance (supplementary tank) (D)	mm	271	271	271	296	321	321
Wheelbase (E)	mm	2,050	2,050	2,050	2,180	2,180	2,180
Unladen weight on front axle (Cab) (min-max)	kg	1,273-1,430	1,273-1,430	1,273-1,430	1,332-1,490	1,332-1,490	1,332-1,490
Unladen weight on rear axle (Cab) (min-max)	kg	1,415-1,590	1,415-1,590	1,415-1,590	1,475-1,650	1,475-1,650	1,475-1,650
Total unladen weight (Cab) (min-max)	kg	2,688-3,020	2,688-3,020	2,688-3,020	2,808-3,140	2,808-3,140	2,808-3,140
Maximum permissible front weight (Cab)	kg	1,800	1,800	1,800	1,800	1,800	1,800
Maximum permissible rear weight (Cab)	kg	3,000	3,000	3,000	3,000	3,000	3,000
Maximum permissible total weight (Cab)	kg	4,600	4,600	4,600	4,600	4,600	4,600
Unladen weight on front axle (Platform) (min-max)	kg	1,181-1,340	1,181-1,340	1,181-1,340	1,241-1,400	1,241-1,400	1,241-1,400
Unladen weight on rear axle (Platform) (min-max)	kg	1,296-1,470	1,296-1,470	1,296-1,470	1,356-1,530	1,356-1,530	1,356-1,530
Total unladen weight (Platform) (min-max)	kg	2,478-2,810	2,478-2,810	2,478-2,810	2,598-2,930	2,598-2,930	2,598-2,930
Maximum permissible front weight (Platform)	kg	1,800	1,800	1,800	1,800	1,800	1,800
Maximum permissible rear weight (Platform)	kg	3,000	3,000	3,000	3,000	3,000	3,000
Maximum permissible total weight (Platform)	kg	4,600	4,600	4,600	4,600	4,600	4,600

●: standard ○: optional -: not available
The height dimensions can vary +/- 10 mm
Min-Max: according to tyres and equipment



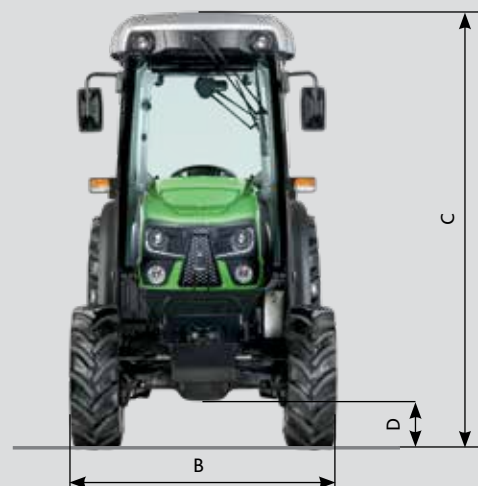
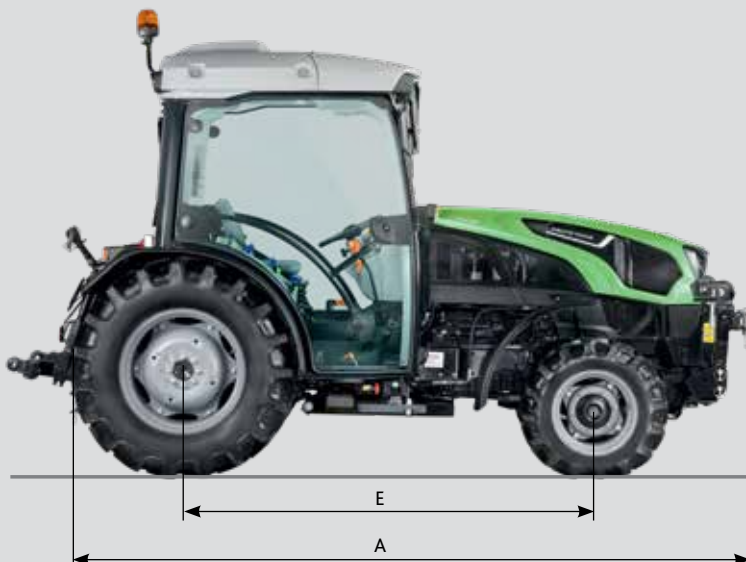
TECHNICAL DATA	5DV Series						
	5080 DV	5090 DV	5100 DV	5090.4 DV	5105 DV	5115 DV	
ENGINE							
Manufacturer		SDF	SDF	SDF	SDF	SDF	SDF
Model		FARMotion	FARMotion	FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)
Cylinder / Displacement	n°/cc	3/2,887	3/2,887	3/2,887	4/3,849	4/3,849	4/3,849
Turbo Intercooler		●	●	●	●	●	●
Max. power (ECE R120)	kW/hp	55.4/75	65/88	71/97	65/88	75/102	83/113
Power at rated engine speed (ECE R 120)	kW/hp	55.4/75	61.5/83	67/91	61.8/84	71.5/97	79/107
Maximum torque	Nm	342	354	369	354	408	435
Engine speed at maximum torque	rpm	1,500	1,600	1,600	1,600	1,600	1,600
Electronic engine control		●	●	●	●	●	●
Fuel tank capacity	litres	55	55	55	55	55	55
Fuel tank capacity with front lift + PTO/Front suspension	litres	35	35	35	35	35	35
Supplementary tank	litres	30	30	30	30	30	30
SHUTTLE							
Mechanical Synchronised Shuttle (LS)		●	●	●	●	●	●
Hydraulic PowerShuttle with Stop&Go system (GS)		●	●	●	●	●	●
MECHANICAL TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	no.	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15
POWERSHIFT TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	no.	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45
Powershift number of speeds	no.	3	3	3	3	3	3
REAR PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 540/540ECO		●	●	●	●	●	●
PTO 540/540ECO/1000		○	○	○	○	○	○
PTO 540/540ECO and Ground PTO		○	○	○	○	○	○
FRONT PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 1000		○	○	○	○	○	○
AXLES AND BRAKES							
Four wheel drive electrohydraulically engaged		●	●	●	●	●	●
Electrohydraulically engaged differential lock		●	●	●	●	●	●
Auto 4WD		○	○	○	○	○	○
Parking brake independent		●	●	●	●	●	●
Trailer braking hydraulic		●	●	●	●	●	●
Hydrostatic steering with independent pump (with Mech.Transm./HML)	l/min	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45
Axle steering angle	degrees	60	60	60	60	60	60
INDEPENDENT FRONT WHEEL SUSPENSION SYSTEM							
Adaptive-Damping		●	●	●	●	●	●
Active Self-Leveling		●	●	●	●	●	●
Anti-Dive		●	●	●	●	●	●
Anti-Roll		●	●	●	●	●	●
DTC (Differential Traction Control)		●	●	●	●	●	●
HITCH							
Mechanical rear hitch		●	●	●	●	●	●
Electronic rear hitch		○	○	○	○	○	○
Rear lift capacity	kg	2,600	2,600	2,600	2,600	2,600	2,600
Front hitch		○	○	○	○	○	○
Front lift capacity	kg	1,500	1,500	1,500	1,500	1,500	1,500
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l/min	54	54	54	54	54	54
Fixed displacement pump (optional)	l/min	38+26	38+26	38+26	38+26	38+26	38+26
Rear auxiliary hydraulic valve (max)	n°	3	3	3	3	3	3
Mid mounted valve	n°	2+1	2+1	2+1	2+1	2+1	2+1

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

TECHNICAL DATA	5DV Series					
	5080 DV	5090 DV	5100 DV	5090.4 DV	5105 DV	5115 DV
PLATFORM						
Suspended on silent-block mounts	●	●	●	●	●	●
Folding ROPS	●	●	●	●	●	●
CAB						
Suspended on silent-block mounts	●	●	●	●	●	●
Ventilation and heating	●	●	●	●	●	●
Air conditioning	○	○	○	○	○	○
DIMENSIONS AND WEIGHTS						
Front axle width (flange to flange)	mm	1,011	1,011	1,011	1,011	1,011
Rear axle width (flange to flange)	mm	854	854	854	854	854
Overall rear width (min-max)	mm	1,163-1,293	1,163-1,293	1,163-1,293	1,163-1,293	1,163-1,293
With front tyres (ETRTO section)		240/70R16 (256)	240/70R16 (256)	240/70R16 (256)	240/70R16 (256)	240/70R16 (256)
With rear tyres (ETRTO section)		380/70R20 (399)	380/70R20 (399)	380/70R20 (399)	380/70R20 (399)	380/70R20 (399)
Length from front ballast support to the rear lift arm in lower position (A)	mm	3,829	3,829	3,829	3,959	3,959
Overall width (front-rear) (B)	mm	1,290-1,293	1,290-1,293	1,290-1,293	1,290-1,293	1,290-1,293
Height at cab with AC (C)	mm	2,271	2,271	2,271	2,271	2,271
Height at cab without AC (C)	mm	2,232	2,232	2,232	2,232	2,232
Height at safety frame	mm	2,394	2,394	2,394	2,394	2,394
Height at engine hood	mm	1,473	1,473	1,473	1,473	1,473
Height at steering wheel	mm	1,348	1,348	1,348	1,348	1,348
Height at rear fenders	mm	1,170	1,170	1,170	1,170	1,170
Axle center up to top edge of cab without/with AC	mm	1,746/1,707	1,746/1,707	1,746/1,707	1,746/1,707	1,746/1,707
Ground clearance (front axle) (D)	mm	233	233	233	233	233
Ground clearance (supplementary tank) (D)	mm	246	246	246	246	246
Wheelbase (E)	mm	2,050	2,050	2,050	2,180	2,180
Unladen weight on front axle (Cab) (min-max)	kg	1,286-1,400	1,286-1,400	1,286-1,400	1,345-1,460	1,345-1,460
Unladen weight on rear axle (Cab) (min-max)	kg	1,423-1,550	1,423-1,550	1,423-1,550	1,484-1,610	1,484-1,610
Total unladen weight (Cab) (min-max)	kg	2,709-2,950	2,709-2,950	2,709-2,950	2,829-3,070	2,829-3,070
Maximum permissible front weight (Cab)	kg	1,800	1,800	1,800	1,800	1,800
Maximum permissible rear weight (Cab)	kg	3,000	3,000	3,000	3,000	3,000
Maximum permissible total weight (Cab)	kg	4,600	4,600	4,600	4,600	4,600
Unladen weight on front axle (Platform) (min-max)	kg	1,195-1,310	1,195-1,310	1,195-1,310	1,245-1,360	1,245-1,360
Unladen weight on rear axle (Platform) (min-max)	kg	1,304-1,430	1,304-1,430	1,304-1,430	1,374-1,500	1,374-1,500
Total unladen weight (Platform) (min-max)	kg	2,499-2,740	2,499-2,740	2,499-2,740	2,619-2,860	2,619-2,860
Maximum permissible front weight (Platform)	kg	1,800	1,800	1,800	1,800	1,800
Maximum permissible rear weight (Platform)	kg	3,000	3,000	3,000	3,000	3,000
Maximum permissible total weight (Platform)	kg	4,600	4,600	4,600	4,600	4,600

●: standard ○: optional -: not available

The height dimensions can vary +/- 10 mm
Min-Max: according to tyres and equipment



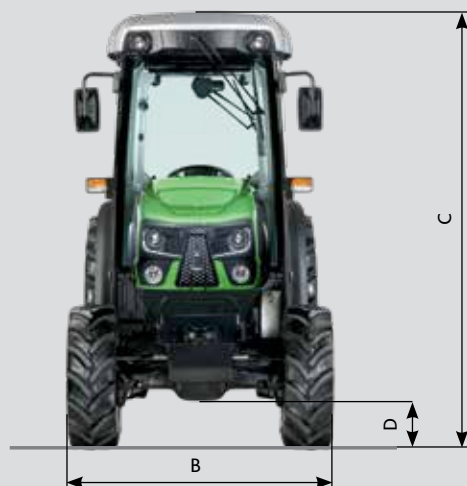
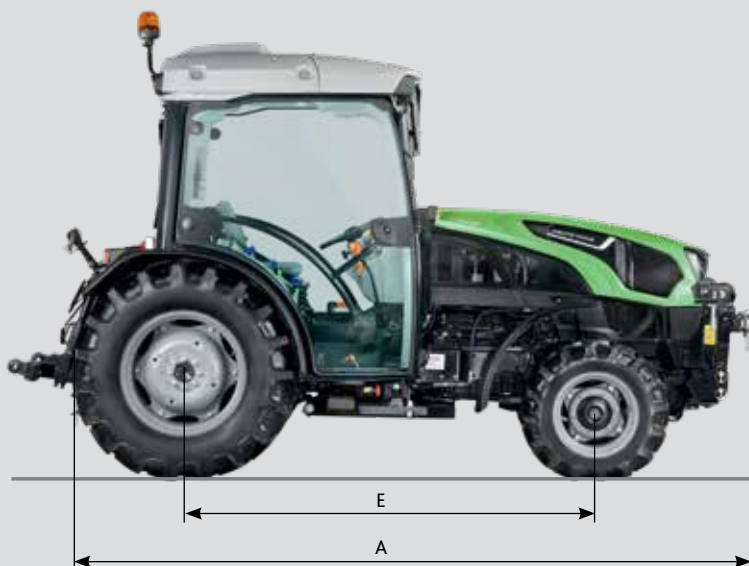
TECHNICAL DATA	SDF Series						
	5080 DF	5090 DF	5100 DF	5090.4 DF	5105 DF	5115 DF	
ENGINE							
Manufacturer		SDF	SDF	SDF	SDF	SDF	SDF
Model		FARMotion	FARMotion	FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)	Stage3B (Tier4i)
Cylinder / Displacement	n°/cc	3/2,887	3/2,887	3/2,887	4/3,849	4/3,849	4/3,849
Turbo Intercooler		●	●	●	●	●	●
Max. power (ECE R120)	kW/hp	55.4/75	65/88	71/97	65/88	75/102	83/113
Power at rated engine speed (ECE R 120)	kW/hp	55.4/75	61.5/83	67/91	61.8/84	71.5/97	79/107
Maximum torque	Nm	342	354	369	354	408	435
Engine speed at maximum torque	rpm	1,500	1,600	1,600	1,600	1,600	1,600
Electronic engine control		●	●	●	●	●	●
Fuel tank capacity	litres	55	55	55	55	55	55
Fuel tank capacity with front lift + PTO	litres	35	35	35	35	35	35
Supplementary tank	litres	40	40	40	40	40	40
SHUTTLE							
Mechanical Synchronised Shuttle (LS)		●	●	●	●	●	●
Hydraulic PowerShuttle with Stop&Go system (GS)		●	●	●	●	●	●
MECHANICAL TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	n°	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15	30 + 15
POWERSHIFT TRANSMISSION							
5 speed gearbox		●	●	●	●	●	●
Number of speeds with underdrive and supercreeper gear	n°	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45	45 + 45
Powershift number of speeds	n°	3	3	3	3	3	3
REAR PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 540/540ECO		●	●	●	●	●	●
PTO 540/540ECO/1000		○	○	○	○	○	○
PTO 540/540ECO and Ground PTO		○	○	○	○	○	○
FRONT PTO							
Electrohydraulically engaged		●	●	●	●	●	●
PTO 1000		○	○	○	○	○	○
AXLES AND BRAKES							
Four wheel drive electrohydraulically engaged		●	●	●	●	●	●
Electrohydraulically engaged differential lock		●	●	●	●	●	●
Auto 4WD		○	○	○	○	○	○
Parking brake independent		●	●	●	●	●	●
Trailer braking hydraulic		●	●	●	●	●	●
Hydrostatic steering with independent pump (with Mech.Transm./HML)	l/min	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45	26 / 45
Axle steering angle	degrees	60	60	60	60	60	60
HITCH							
Mechanical rear hitch		●	●	●	●	●	●
Electronic rear hitch		○	○	○	○	○	○
Rear lift capacity	kg	2,800	2,800	2,800	2,800	2,800	2,800
Front hitch		○	○	○	○	○	○
Front hitch capacity	kg	1,500	1,500	1,500	1,500	1,500	1,500
HYDRAULIC SYSTEM							
Fixed displacement pump (standard)	l/min	54	54	54	54	54	54
Fixed displacement pump (optional)	l/min	38 + 26	38 + 26	38 + 26	38 + 26	38 + 26	38 + 26
Rear auxiliary hydraulic valve (max)	n°	3	3	3	3	3	3
Mid mounted valve	n°	2+1	2+1	2+1	2+1	2+1	2+1
PLATFORM							
Suspended on silent-block mounts		●	●	●	●	●	●
Folding ROPS		●	●	●	●	●	●
CAB							
Suspended on silent-block mounts		●	●	●	●	●	●
Ventilation and heating		●	●	●	●	●	●
Air conditioning		○	○	○	○	○	○

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

TECHNICAL DATA		5DF Series					
		5080 DF	5090 DF	5100 DF	5090.4 DF	5105 DF	5115 DF
DIMENSIONS AND WEIGHTS							
Front axle width (flange to flange)	mm	1,296	1,296	1,296	1,296	1,296	1,296
Rear axle width (flange to flange)	mm	1,221	1,221	1,221	1,221	1,221	1,221
Overall rear width (min-max)	mm	1,454-1,642	1,454-1,642	1,454-1,642	1,454-1,642	1,454-1,642	1,454-1,642
With front tyres (ETRTO section)		280/70R16 (256)	280/70R16 (256)	280/70R18 (296)	280/70R16 (296)	280/70R18 (296)	280/70R18 (296)
With rear tyres (ETRTO section)		360/70R24 (375)	360/70R24 (375)	420/70R24 (439)	380/70R24 (399)	420/70R24 (439)	420/70R24 (439)
Length from front ballast support to the rear lift arm in lower position (A)	mm	3,812	3,812	3,812	3,942	3,942	3,942
Overall width (front-rear) (B)	mm	1,536/1,514	1,536/1,514	1,612/1,618	1,578/1,588	1,612/1,618	1,612/1,618
Height at cab with AC (C)	mm	2,296	2,296	2,346	2,321	2,346	2,346
Height at cab without AC (C)	mm	2,257	2,257	2,307	2,282	2,307	2,307
Height at safety frame	mm	2,419	2,419	2,469	2,444	2,469	2,469
Height at engine hood	mm	1,393	1,393	1,413	1,393	1,413	1,413
Height at dashboard	mm	1,297	1,297	1,317	1,297	1,317	1,317
Height at rear fenders	mm	1,240	1,240	1,290	1,265	1,290	1,290
Axle center up to top edge of cab without/with AC	mm	1,707/1,746	1,707/1,746	1,707/1,746	1,707/1,746	1,707/1,746	1,707/1,746
Ground clearance (front axle) (D)	mm	247	247	267	247	267	267
Ground clearance (supplementary tank) (D)	mm	270	270	320	295	320	320
Wheelbase (E)	mm	2,011	2,011	2,011	2,141	2,141	2,141
Unladen weight on front axle (Cab) (min-max)	kg	1,206-1,380	1,206-1,380	1,206-1,380	1,248-1,420	1,248-1,420	1,248-1,420
Unladen weight on rear axle (Cab) (min-max)	kg	1,411-1,615	1,411-1,615	1,411-1,615	1,499-1,705	1,499-1,705	1,499-1,705
Total unladen weight (Cab) (min-max)	kg	2,617-2,995	2,617-2,995	2,617-2,995	2,747-3,125	2,747-3,125	2,747-3,125
Maximum permissible front weight (Cab)	kg	2,000	2,000	2,000	2,000	2,000	2,000
Maximum permissible rear weight (Cab)	kg	3,100	3,100	3,100	3,100	3,100	3,100
Maximum permissible total weight (Cab)	kg	5,000	5,000	5,000	5,000	5,000	5,000
Unladen weight on front axle (Platform) (min-max)	kg	1,137-1,320	1,137-1,320	1,137-1,320	1,171-1,350	1,171-1,350	1,171-1,350
Unladen weight on rear axle (Platform) (min-max)	kg	1,215-1,410	1,215-1,410	1,215-1,410	1,301-1,500	1,301-1,500	1,301-1,500
Total unladen weight (Platform) (min-max)	kg	2,352-2,730	2,352-2,730	2,352-2,730	2,472-2,850	2,472-2,850	2,472-2,850
Maximum permissible front weight (Platform)	kg	2,000	2,000	2,000	2,000	2,000	2,000
Maximum permissible rear weight (Platform)	kg	3,100	3,100	3,100	3,100	3,100	3,100
Maximum permissible total weight (Platform)	kg	5,000	5,000	5,000	5,000	5,000	5,000

●: standard O: optional -: not available

The height dimensions can vary +/- 10 mm
Min-Max: according to tyres and equipment






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DEUTZ-FAHR is a brand of  SDF

