

5DF ECO LINE 5DF/5DV SERIES



SPECIALIST TRACTORS
UP TO 75 HP



SOME OPTIONS AND/OR SPECIFICATIONS SHOWN MAY NOT BE AVAILABLE IN ALL MARKETS



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



STAGE 4 (TIER 4 FINAL)	4 CYL. / 75 HP
5DV	5080.4
5DF	5080.4
5DF Ecoline	5080.4

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 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, 25 mph ECO PowerShift transmission and diverse hydraulic options. With a single model in each configuration offering an output of 75 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.

MECHANIZATION 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.

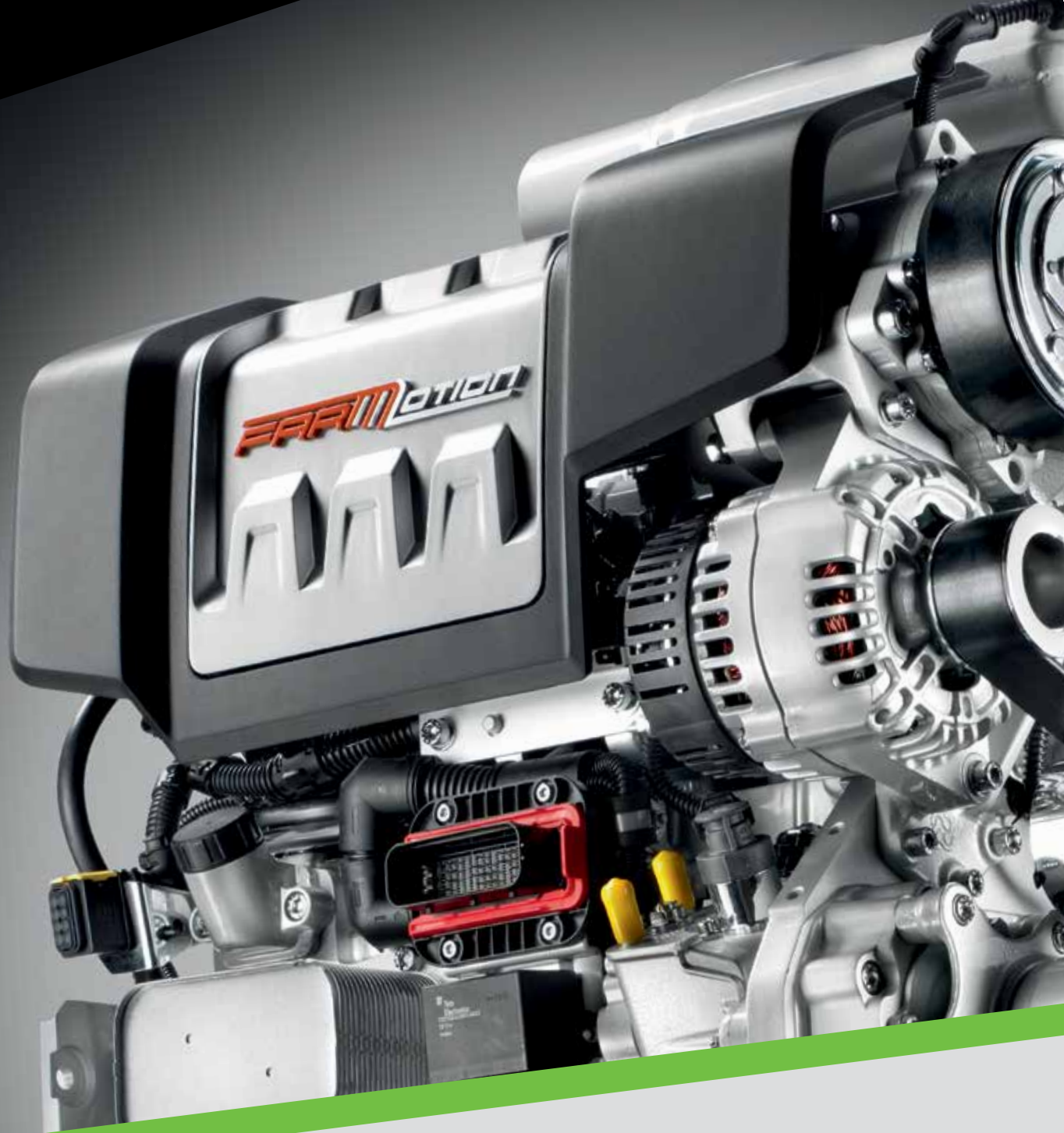
The new DEUTZ-FAHR front axle concept is unique for specialist tractors, making it a real highlight. Independent wheel suspension with a double wishbone design allows each front wheel to move vertically to a different extent. This results in maximum suspension in all operating scenarios. The spring stroke 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.





APPLES, CHERRIES, PLUMS, PEARS –
WHATEVER THE CROP, REDUCING
OPERATING COSTS IS THE KEY TO
ORCHARD BUSINESS GROWTH.
THE NEW DEUTZ-FAHR SPECIALIST
TRACTORS GUARANTEE THAT
YOUR WORK WILL ALSO BEAR FRUIT
FINANCIALLY.



FARMOTION ENGINES.
MAXIMUM EFFICIENCY
IN A COMPACT UNIT.



Engine efficiency is aided by the large, newly designed cooling package, improved air flow and the Powercore air filter.



Exclusive DOC system. Meet all emissions standards without SCR or DPF, in a compact solution.



The fuel tank built into the front axle block can be filled with the bonnet closed, while an additional tank is located below the chassis.

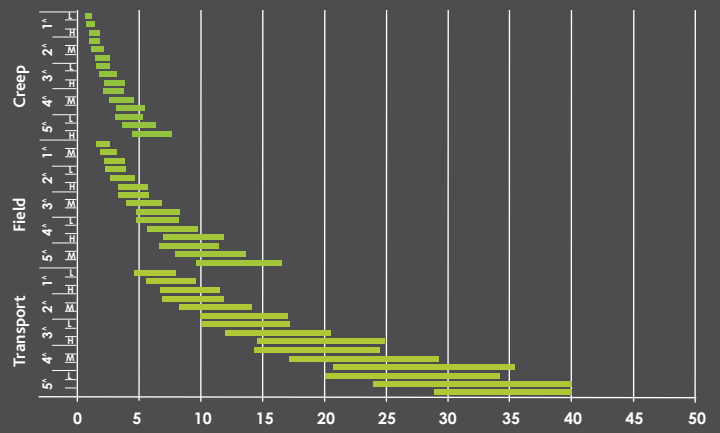
Hard at work under the newly designed bonnet are extremely compact four-cylinder FARMotion Stage 4 (Tier 4) engines. Specially developed for agricultural applications, these common rail engines feature electronic injection with a pressure of 29,000 PSI, a new valve concept, enlarged cylinders, a new crankshaft design, an electronic exhaust gas recirculation (EGR) management system and a diesel oxidation catalyst (DOC) system – all of which means they deliver maximum performance and constant torque even at low engine speeds. Fuel consumption, emissions, vibrations and noise have been minimised.

Other new features include a compact cooling system with an enlarged cooling surface, intercooling, a fuel cooling system, an air-conditioning condenser, optimised air flow and a Powercore air filter with dust removal.

Both systems support engine efficiency and are designed for long maintenance intervals as well as fast, straightforward service work. The fuel tank is built into the front axle block and can be filled without opening the bonnet. It contains no less than 14.5 gallons. For extra fuel capacity, an additional tank can be included below the driver's platform, holding 10.6 gallons (5DF models) or 7.9 gallons (5DV models).



MAXIMUM GEAR RANGE. HOWEVER
YOU CHANGE GEARS, 25 MPH ECO
IS ALWAYS POSSIBLE.



* speed limits to 40 kph



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



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



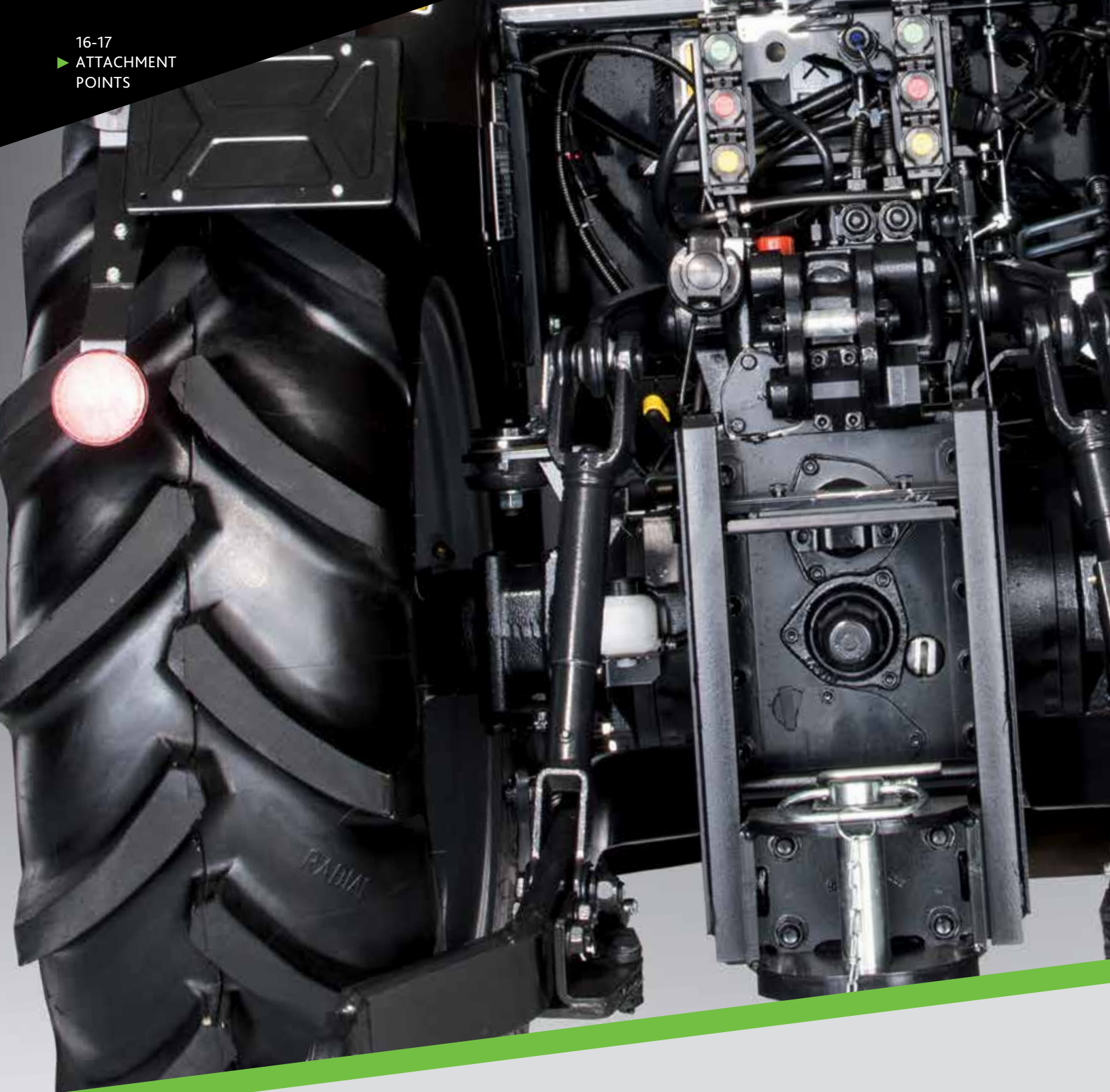
Stop&Go. Start and stop the vehicle in comfort without using the clutch pedal.

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 ComfortClutch button on the gear shift lever without any need to depress the clutch. The Stop&Go system (power shuttle only) 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 5DV and 5DF models, a mechanical five-speed transmission is available with up to 45 forward and 45 reverse gears. The 5DF Ecoline models are fitted with this system as standard. A speed of 25 mph ECO can be achieved with all models using any tires. 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. MANEUVRABILITY 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 6 hydraulic remote 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 6,160 lb lift capacity at the rear and 3,300 lb at the front, all possible combinations of equipment can be easily moved. The rear power lift can be electronically controlled if desired. For all 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 14.2 gpm and three spool valves at the rear. An optional 16.9 gpm tandem pump is available for the parallel operation of a rear power lift and up to six remote valves at the front and rear. The 5DF Ecoline models are fitted with a 14.5 gpm pump and three control valves at the 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, 540E and 1000. 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.

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 minimizing 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 color 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.

BUSINESS IS BLOOMING WITH PLANTS FOR POTS, BORDERS AND BALCONIES. FOR GARDENERS WHO GROW ORNAMENTAL PLANTS, EVERY SQUARE INCH COUNTS WHEN IT COMES TO PRODUCTION. THE CHALLENGE IS TO ENSURE GOOD WORKING PROCESSES AND TRANSPORT LOGISTICS IN SMALL SPACES. THE NEW RANGE OF EXTREMELY AGILE SPECIALIST TRACTORS FROM DEUTZ-FAHR HELPS EMPLOYEES TO FLOURISH, TOO.





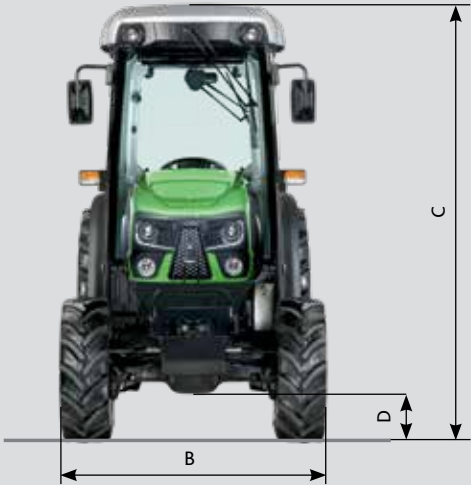
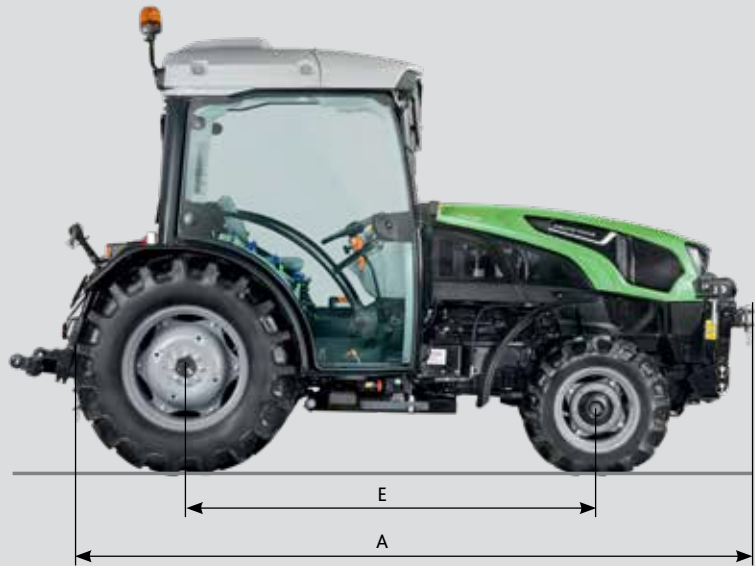
TECHNICAL DATA		5D Series
		5080.4 DV
ENGINE		
Manufacturer		SDF
Model		FARMotion
Emissions		Stage 4 (Tier4)
Cylinder / Displacement	No./liters	4/3.849
Turbo Intercooler		●
Max. power (ECE R120)	hp/kW	75/55.4
Power at rated engine speed (ECE R 120)	hp/kW	75/55.4
Maximum torque	lb-ft/Nm	260/353
Engine speed at maximum torque	rpm	1,400
Electronic engine control		●
Fuel tank capacity	gal/liters	14.5/55
Fuel tank capacity with front lift + PTO	gal/liters	9.2/35
Supplementary tank	gal/liters	7.9/30
SHUTTLE		
Mechanical Synchronised Shuttle		○
Hydraulic PowerShuttle with Stop&Go system		●
MECHANICAL TRANSMISSION		
5 speed gearbox		●
Number of speeds with underdrive and creeper gear	No.	30 + 15
POWERSHIFT TRANSMISSION		
5 speed gearbox		●
Number of speeds with underdrive and creeper gear	No.	45 + 45
Powershift number of speeds	No.	3
REAR PTO		
Electro-hydraulically engaged		●
PTO 540/540E		●
PTO 540/540E/1000		○
PTO 540/540E and Ground PTO		○
FRONT PTO		
Electro-hydraulically engaged		●
PTO 1000		○
AXLES AND BRAKES		
Four wheel drive electro-hydraulically engaged		●
Electro-hydraulically engaged differential lock		●
Auto 4WD		○
Parking brake independent		●
Trailer braking hydraulic		●
Hydrostatic steering with independent pump		●
Axle steering angle	degrees	60
HITCH		
Mechanical rear hitch		●
Electronic rear hitch		○
Rear lift capacity	lb/kg	5,730/2600
Front hitch		○
Front hitch capacity	lb/kg	3,300/1500
HYDRAULIC SYSTEM		
Fixed displacement pump (standard)	gpm/lpm	14.2/54
Fixed displacement pump (optional)	gpm/lpm	10+6.9/38 + 26
Rear auxiliary hydraulic valve (max)	No.	3
Mid mounted valve	No.	2+1
PLATFORM		
Suspended on silent-block mounts		●
Folding ROPS		●
CAB		
Suspended on silent-block mounts		●
Ventilation and heating		●
Air conditioning		○

TECHNICAL DATA		5D Series
		5080.4 DV
DIMENSIONS AND WEIGHTS		
Front axle width (flange to flange)	in/mm	39.8/1011
Rear axle width (flange to flange)	in/mm	33.6/854
Overall rear width (min-max)	in/mm	45.8-50.9/1163-1293
With front tires		240/70R16
With rear tires		380/70R20
Length from front ballast support to the rear lift arm in lower position (A)	in/mm	155.9/3959
Min. overall width (B)	in/mm	50.9/1293
Height at cab (C)	in/mm	89.4/2271
Height at safety frame	in/mm	94.3/2394
Height at engine hood	in/mm	58/1473
Height at rear fenders	in/mm	49.8/1265
Ground clearance (front axle) (D)	in/mm	9.2/233
Wheelbase (E)	in/mm	85.8/2180
Approximate base weight (ROPS) (min-max)	lb/kg	5775-6300/2619-2860
Approximate base weight (Cab) (min-max)	lb/kg	6,237-6,768/2829-3070
Maximum permissible total weight (Platform)	lb/kg	10,141/4600
Maximum permissible total weight (Cab)	lb/kg	10,141/4600

●: standard O: optional -: not available

The height dimensions can vary +/- 10 mm

Min-Max: according to tires and equipment



TECHNICAL DATA		5D Series
		5080.4 DF
ENGINE		
Manufacturer		SDF
Model		FARMotion
Emissions		Stage 4 (Tier4)
Cylinder / Displacement	No./liters	4/3.849
Turbo Intercooler		●
Max. power (ECE R120)	hp/kW	75/55.4
Power at rated engine speed (ECE R 120)	hp/kW	75/55.4
Maximum torque	lb-ft/Nm	260/353
Engine speed at maximum torque	rpm	1,400
Electronic engine control		●
Fuel tank capacity	gal/liters	14.5/55
Fuel tank capacity with front lift + PTO	gal/liters	9.2/35
Supplementary tank	gal/liters	10.5/40
SHUTTLE		
Mechanical Synchronised Shuttle		○
Hydraulic PowerShuttle with Stop&Go system		●
MECHANICAL TRANSMISSION		
5 speed gearbox		●
Number of speeds with underdrive and creeper gear	No.	30 + 15
POWERSHIFT TRANSMISSION		
5 speed gearbox		●
Number of speeds with underdrive and creeper gear	No.	45 + 45
Powershift number of speeds	No.	3
REAR PTO		
Electro-hydraulically engaged		●
PTO 540/540E		●
PTO 540/540E/1000		○
PTO 540/540E and Ground PTO		○
FRONT PTO		
Electro-hydraulically engaged		●
PTO 1000		○
AXLES AND BRAKES		
Four wheel drive electro-hydraulically engaged		●
Electro-hydraulically engaged differential lock		●
Auto 4WD		○
Parking brake independent		●
Trailer braking hydraulic		●
Hydrostatic steering with independent pump		●
Axle steering angle	degrees	60
HITCH		
Mechanical rear hitch		●
Electronic rear hitch		○
Rear lift capacity	lb/kg	6,150/2800
Front hitch		○
Front hitch capacity	lb/kg	3,300/1500
HYDRAULIC SYSTEM		
Fixed displacement pump (standard)	gpm/lpm	14.2/54
Fixed displacement pump (optional)	gpm/lpm	10+6.9/38 + 26
Rear auxiliary hydraulic valve (max)	No.	3
Mid mounted valve	No.	2+1
PLATFORM		
Suspended on silent-block mounts		●
Folding ROPS		●
CAB		
Suspended on silent-block mounts		●
Ventilation and heating		●
Air conditioning		○

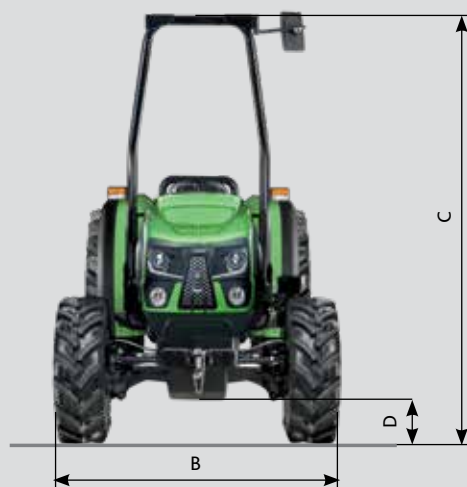
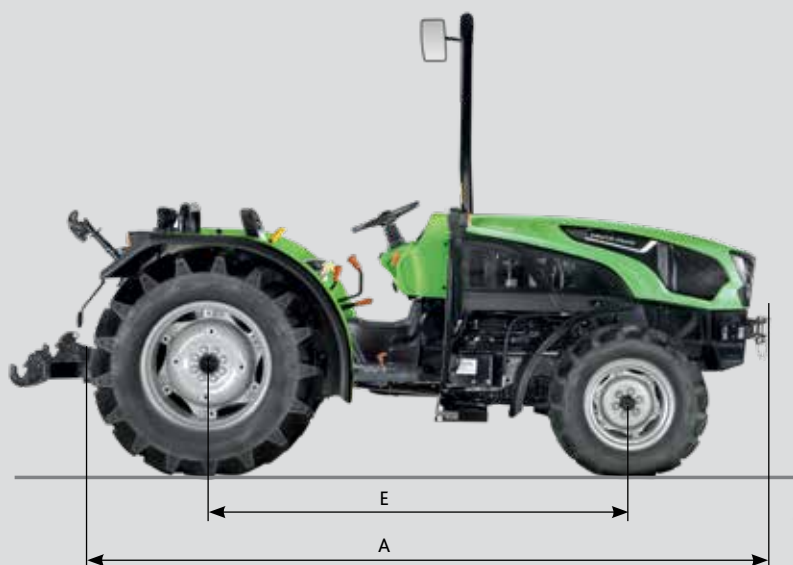
TECHNICAL DATA		5D Series
		5080.4 DF
DIMENSIONS AND WEIGHTS		
Front axle width (flange to flange)	in/mm	51/1296
Rear axle width (flange to flange)	in/mm	48.1/1221
Overall rear width (min-max)	in/mm	57.2-64.4/1454-1642
With front tires		280/70R16
With rear tires		380/70R24
Length from front ballast support to the rear lift arm in lower position (A)	in/mm	155.2/3942
Min. overall width (B)	in/mm	62.5/1588
Height at cab (C)	in/mm	91.4/2321
Height at safety frame	in/mm	96.2/2444
Height at engine hood	in/mm	54.8/1393
Height at rear fenders	in/mm	46.1/1265
Ground clearance (front axle) (D)	in/mm	9.7/247
Wheelbase (E)	in/mm	84.3/2141
Approximate base weight (ROPS) (min-max)	lb/kg	5,450-6,283/2472-2850
Approximate base weight (Cab) (min-max)	lb/kg	6,056-6,889/2747-3125
Maximum permissible total weight (Platform)	lb/kg	11,000/5000
Maximum permissible total weight (Cab)	lb/kg	11,000/5000

●: standard O: optional -: not available

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



TECHNICAL DATA		5D Series	
		5080.4 DF Ecoline	
ENGINE			
Emissions		Stage 4 (Tier 4)	
Manufacturer		SDF	
Model		FARMotion	
Cylinder / Displacement	No./liters	4/3.849	
Turbo Intercooler		●	
Max. power (ECE R120)	hp/kW	75/55.4	
Power at rated engine speed (ECE R 120)	hp/kW	75/55.4	
Maximum torque	lb-ft/Nm	260/353	
Electronic engine control		●	
Fuel tank capacity	gal/liters	14.5/55	
SHUTTLE			
Mechanical Synchronised Shuttle		●	
MECHANICAL TRANSMISSION			
5 speed gearbox		●	
Number of speeds with underdrive	No.	20 + 10	
Number of speeds with underdrive and creeper gear	No.	30 + 15	
REAR PTO			
Mechanical control		●	
PTO 540		○	
PTO 540/540E		●	
PTO 540/540E/1000		○	
Ground PTO		○	
AXLES			
Four wheel drive mechanically engaged		●	
Mechanically engaged differential lock		●	
STEERING AND BRAKES			
Four-wheel braking system		●	
Parking brake independent		●	
Trailer braking hydraulic		○	
Hydrostatic steering with independent pump		●	
Axle steering angle	degrees	60°	
HITCH			
Mechanical rear hitch		●	
Rear lift capacity	lb/kg	6,150/2,800	
HYDRAULIC SYSTEM			
Fixed displacement pump	gpm/lpm	14.5/45	
Rear auxiliary hydraulic valve	No.	2 / 3	
OPEN STATION			
Platform		●	
Digital display		●	
Safety frame		●	
Driver seat with mechanical adjustment		●	
DIMENSIONS AND WEIGHTS			
With rear tires		380/70 R24"	
Max length (A)	in/mm	155.2/3942	
Min. rear width (B)	in/mm	57.1/1450	
Height at safety frame (C)	in/mm	96.2/2444	
Height at hood	in/mm	54.8/1393	
Ground clearance (D)	in/mm	9.7/247	
Wheelbase (E)	in/mm	84.3/2,141	
Approximate base weight	lb/kg	6,106/2,770	
Maximum permissible total weight	lb/kg	11,000/5,000	



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