

SPECIALTY TRACTORS



5DF ECOLINE
5DF/5DV SERIES



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



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



STAGE 4 (TIER 4 FINAL)	3 CYL. / 75 HP
Agroplus F80	5080.4

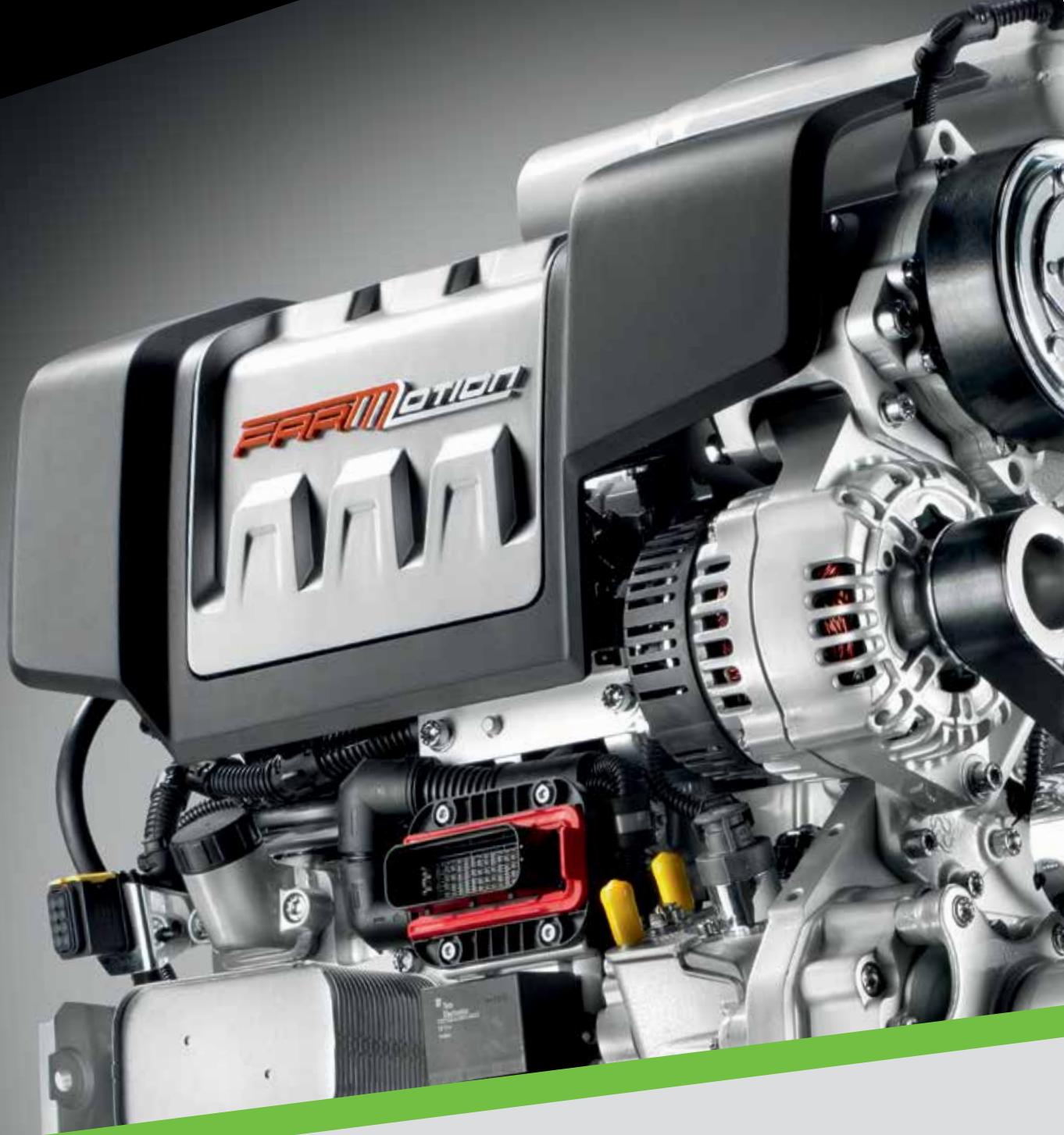
STAGE 4 (TIER 4 FINAL)	4 CYL. / 75 HP
5D V Series	5080.4
5D F Series	5080.4
5D F ECOLINE Series	5080.4

From vineyard and orchard work to nursery, 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 hood. Thanks in part to the new geometry of the front support, which ensures an axle steering angle of up to 60 degrees. In combination with a long wheelbase for

stability, 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 available independent suspension on the front axle, highly efficient FARMotion engines, 25 mph power shift 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 able to find the right specialist tractor for its specific applications and driver comfort needs.



APPLES, CHERRIES, PLUMS, ALMONDS, 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.

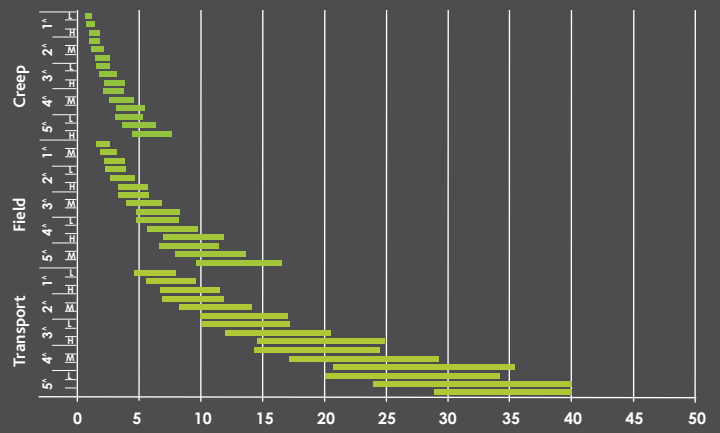
Hard at work under the newly designed bonnet are extremely compact 4-cylinder FARMotion Tier 4 engines. Specially developed for agricultural applications, these common rail engines feature electronic fuel injection with a pressure of 29,000 PSI, a new valve concept, enlarged cylinders, a new crankshaft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

Other new features include a compact cooling system with an enlarged cooling surface, air-to-air 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, straight forward 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 (5D F models) or 7.9 gallons (5D V models).



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



* speed limits to 25 mph (40 kph)



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



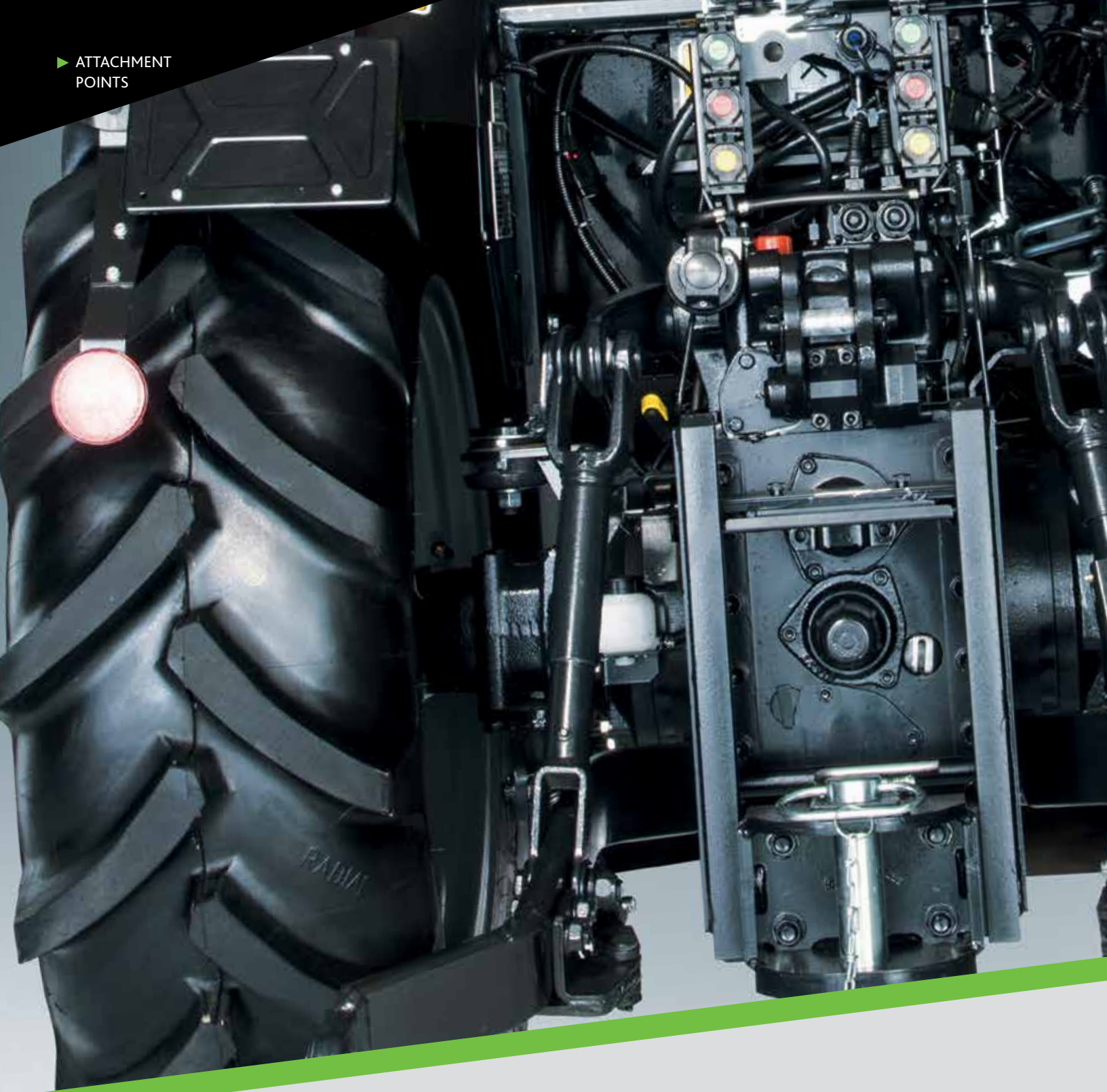
Power shuttle. Change the direction of travel with a single touch.



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 5D F & V feature a three stage Powershift. 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. 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.

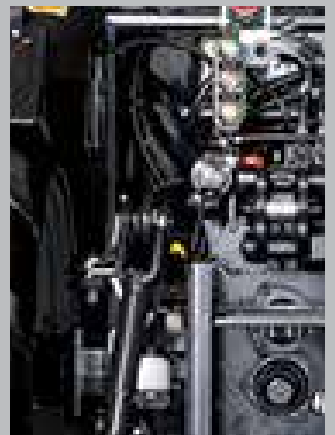
The 5D F Ecoline comes standard with a heavy duty dry traction clutch, and a 30+15 speed transmission with creeper range.



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



Front attachment points. Equipped for every application.



Up to 3 hydraulic remote valves at the rear and 2 sets of couplers near the 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. Our standard hydraulic system on the V & F is 16.9 gpm and three control valves at the rear. 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. the 5D F Ecoline is only available with a 540 speed rear PTO.



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



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



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.

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.



InfoCenter. 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.

A man with curly hair, wearing a dark green polo shirt, is sitting on a bright green Deutz-Fahr tractor. The tractor is positioned inside a large, modern greenhouse with a complex metal frame and translucent panels. The tractor is facing forward, and its large, treaded rear wheel is visible. The ground inside the greenhouse appears to be a mix of dirt and some sparse vegetation. The overall scene suggests a professional agricultural setting focused on plant production in a controlled environment.

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.



AGROPLUS F80 SIMPLICITY, FUEL ECONOMY AND RELIABILITY.

The Agroplus F80 is designed to be Simple, reliable and economical. On its own or as part of a fleet this is the perfect narrow tractor for your operation. 3 sets of hydraulic remotes combined with the 15 x 15



3 Standard Hydraulic Remotes make the F80 the perfect match for almost any application.



Simple to understand and easy to operate controls.



Intuitive and easy to understand gauges are perfect for any fleet.

Deutz-Fahr transmission provide excellent flexibility for almost any task. Simple to use and understand controls are all within reach of the operator on the class leading platform.

► OPERATION
CRAWLER

The new driver platform: vibration-free mounting
on silent blocks and extremely ergonomic.



EXTREME TRACTION.
EXTREME SPECIALIST.

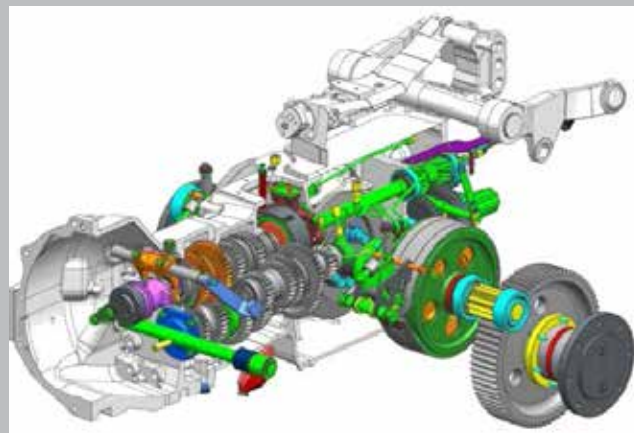




FARMotion diesel engine delivers high torque with "No Maintenance" emissions.



Choice of steel or ComfortTrack rubber tracks by CAMSO® to match your needs and the environment.



Mechanical gearbox with synchronized shuttle. Simple hydraulic-assisted clutch and brake steering system is controlled using hand levers.

DEUTZ-FAHR presents a new, unique specialist for maximum productivity when working in the most challenging soil and terrain conditions – the new 5KF Series crawlers. Whether for wine growing, forestry or agriculture, the new crawler tractors with 75 horsepower (56 kW) and choice of steel or rubber tracks are so well balanced that they can perform any job in even the most extreme situations. The absolute highlight is the new ComfortTrack track design (by CAMSO®) with its iron core and rubber surface. The large ground contact area ensures maximum traction and minimal ground pressure, while the rubber surface provides additional protection for the soil and makes sense for road transport. The single-piece hood

with Deutz-Fahr family styling opens to reveal the powerful FARMotion diesel powerplant. High torque combines with low fuel consumption and reliable "No Maintenance" emissions - no DPF and no need to add DEF. A mechanical 16x16 transmission with synchronized shuttle and hydraulic-assisted steering using 2 hand levers makes operating the tractor simple. An open center hydraulic system boasts 19.8 gpm (75 lpm) of total flow and includes 3 rear remote valves (and 2 sets of mid couplers). An independent 540/540E RPM rear PTO engages via push button, and a massive 6,850 lb (3,170 kg) rear hitch lift capacity ensures that the new 5080 KF crawler is ready to work in your environment.

TECHNICAL DATA		5D Series			
		5080.4 DV	5080.4 DF	5080.4 DF ECOLINE	AGROPLUS F80
ENGINE					
Manufacturer		SDF	SDF	SDF	SDF
Model		FARMotion	FARMotion	FARMotion	FARMotion
Emissions		Tier 4	Tier 4	Tier 4	Tier 4
Cylinders / displacement	No. / liters	4 / 3.8	4 / 3.8	4 / 3.8	4 / 3.8
Turbocharged & intercooled		●	●	●	●
Maximum power (ECE R120) @ 2000 rpm	HP / kW	75 / 55.4	75 / 55.4	75/55.4	75/55.4
Rated power (ECE R 120) @ 2200 rpm	HP / kW	75 / 55.4	75 / 55.4	75 / 55.4	75 / 55.4
Maximum torque	lb-ft / Nm	260 / 353 @ 1400 rpm	260 / 353 @ 1400 rpm	260 / 353 @ 1400 rpm	260 / 353 @ 1400 rpm
Torque rise	%	46	46	46	46
Electronic engine management		●	●	●	●
Standard fuel tank capacity	gal / liters	14.5 / 55	14.5 / 55	14.5 / 55	14.5 / 55
Standard fuel tank capacity with front lift + PTO	gal / liters	9.2 / 35	9.2 / 35	-	-
Auxiliary fuel tank	gal / liters	7.9 / 30	10.5 / 40	-	-
SHUTTLE					
Mechanical synchronized shuttle		-	-	●	●
Hydraulic power shuttle with Stop&Go system		●	●	-	-
MECHANICAL TRANSMISSION					
5 speed gearbox		●	●	●	●
Number of speeds with underdrive and creeper gear	FW+RV	-	-	30 + 15	30 + 15
POWERSHIFT TRANSMISSION					
5 speed gearbox		●	●	●	●
Number of speeds with underdrive and creeper gear	FW+RV	45 + 45	45 + 45	-	-
Power shift speeds	No.	3 (hi/med/lo)	3 (hi/med/lo)	-	-
REAR PTO					
Mechanically engaged		-	-	●	●
Electro-hydraulically engaged		●	●	-	-
PTO 540/540E		●	●	●	●
PTO 540/540E/1000		○	○	○	○
PTO 540/540E and groundspeed PTO		○	○	○	○
FRONT PTO					
Electro-hydraulically engaged		●	●	-	-
PTO 1000 rpm		○	○	-	-
AXLES AND BRAKES					
Four wheel drive engagement		Electro-hydraulic	Electro-hydraulic	Mechanical	Mechanical
Differential lock engagement		Electro-hydraulic	Electro-hydraulic	Mechanical	Mechanical
Independent parking brake		●	●	●	●
Hydraulic trailer braking system		●	●	●	●
Hydrostatic steering with independent pump		●	●	●	●
Axle steering angle	degrees	60	60	60	60
HITCH					
Mechanical rear hitch		●	●	●	●
Electronic rear hitch		○	○	-	-
Rear lift capacity	lb / kg	5,730 / 2600	6,170 / 2800	6,170 / 2800	6,170 / 2800
Front hitch		○	○	-	-
Front hitch capacity	lb / kg	3,300 / 1500	3,300 / 1500	-	-
HYDRAULIC SYSTEM					
Fixed displacement pump (standard)	gpm / lpm	14.3 / 54	14.3 / 54	11.9 / 45	11.9 / 45
Fixed displacement double pump (optional)	gpm / lpm	16.9 / 64	16.9 / 64	-	-
Rear hydraulic remote valves	No.	3	3	2 standard; up to 3	2 standard; up to 3
Mid mounted hydraulic remote couplers	No.	Up to 2	Up to 2	-	-
OPEN STATION					
Straddle-type platform		●	●	●	●
Digital front display		●	●	●	●
2-post safety frame		●	●	●	●
Vinyl seat with mechanical suspension		●	●	●	●
Horizontal exhaust		●	●	●	●

Technical data is based on manufacturer's estimates. In order to deliver a product that is 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		5D Series			
		5080.4 DV	5080.4 DF	5080.4 DF ECOLINE	AGROPLUS F80
CAB					
4-post structure suspended on silent-block mounts		●	●	-	-
HVAC system		●	●	-	-
Horizontal exhaust		●	●	-	-
DIMENSIONS AND WEIGHTS					
Front axle width (flange to flange)	in / mm	39.8 / 1011	51 / 1296	51 / 1296	51 / 1296
Rear axle width (flange to flange)	in / mm	33.6 / 854	48.1 / 1221	48.1 / 1221	48.1 / 1221
Overall rear fender width (min-max)	in / mm	45.8-50.9 / 1163-1293	57.2-64.4 / 1454-1642	57.1-76.5 / 1450-1944	57.1-76.5 / 1450-1944
Front tires		240/70R16	280/70R16	280/70R16	280/70R16
Rear tires		380/70R20	380/70R24	380/70R24	380/70R24
Length from front clevis support to the rear lift arm in lower position	in / mm	155.9 / 3959	155.2 / 3942	155.2 / 3942	155.2 / 3942
Minimum overall width	in / mm	50.9 / 1293	62.5 / 1588	57.1 / 1450	57.1 / 1450
Height at cab	in / mm	89.4 / 2271	91.4 / 2321	-	-
Height at safety frame	in / mm	-	-	96.2 / 2444	96.2 / 2444
Height at engine hood	in / mm	58 / 1473	54.8 / 1393	54.8 / 1393	54.8 / 1393
Height at rear fenders	in / mm	49.8 / 1265	46.1 / 1170	46.1 / 1170	46.1 / 1170
Ground clearance (front axle)	in / mm	9.2 / 233	9.7 / 247	9.7 / 247	9.7 / 247
Wheelbase	in / mm	85.8 / 2180	84.3 / 2141	84.3 / 2141	84.3 / 2141
Approx. base weight (min-max)	lb / kg	6,237-6,768 / 2829-3070	6,056-6,889 / 2747-3125	6,106 / 2770	6,106 / 2770
Maximum permissible total weight	lb / kg	10,141 / 4600	11,023 / 5000	11,023 / 5000	11,023 / 5000

●: standard O: optional -: not available Dimensions are approximates, and can vary slightly.



Technical data		5KF SERIES		
		5080 KF - Rubber Track	5080 KF - Steel Track	5080 KF - Steel Track
ENGINE				
Emission		Stage 4 / Tier 4		
Manufacturer		FARMotion		
Cylinders / displacement	No. / liters	3 / 2.9		
Bore x stroke	in / mm	4.1 x 4.5 / 103 x 115		
Aspiration		Turbocharged with intercooling		
High-pressure injection		Common rail @ 29,000 PSI (2,000 bar)		
Gross power at 2,000 rpm	HP / kW	80 / 59.6		
Rated power at 2,200 rpm	HP / kW	75 / 55.4		
Max. torque @ 1,600 rpm	lb-ft / Nm	252 / 342		
Torque rise	%	43%		
Fuel tank capacity	gal / liters	25 / 95		
SHUTTLE TYPE				
Synchro-shuttle transmission		●		
Single disc clutch diameter	in / mm	12 / 305		
MECHANICAL MANUAL TRANSMISSION				
Speeds (Forward x Reverse)		16 x 16		
Gears and ranges		4 gears x 4 ranges		
Min. - Max. speed	mph / kph	0.93 - 8.8 / 1.5 - 14.2		
REAR PTO				
PTO type		Independent, 540/540E		
PTO clutch		Wet disc clutch		
PTO activation		Push button		
STEERING SYSTEM				
Steering system type		Hydraulic-assisted clutch and brake steering		
Steering control		2 hand levers		
POWER LIFT				
Mechanical 3-point hitch control		●		
Lifting capacity	lb / kg	6,850 / 3,170		
Position and draft control		●		
HYDRAULICS SYSTEM				
Hydraulic system type		Open center		
Total hydraulic flow	gpm / lpm	19.8 / 75		
Flow to remote valves and hitch	gpm / lpm	13.2 / 50		
Rear remote valves		3 std		
Mid couplers		2 sets of couplers		
PLATFORM				
Digital dash display		●	●	
Folding ROPS Canopy		●	●	●
Suspended vinyl seat		●	●	
DIMENSIONS AND WEIGHTS				
Axle spacing	in / mm	65.5 / 1663	65.0 / 1650	
Track length	in / mm	44.9 / 1140	41.3 / 1050	
Track width	in / mm	15.7 / 400	12.2 / 310	
Idlers / rollers		5 bottom / 1 top	5 bottom / 1 top	
Track contact area	ft² / cm²	11.0 / 10,230	14.2 / 13,200	
Tractor length	in / mm	134.6 / 3420	134.6 / 3420	
Tractor Width	in / mm	60.2 / 1540	53.5 / 1360	
Ground clearance	in / mm	7.9 / 200	7.9 / 200	
Height over safety frame	in / mm	103.5 / 2630	103.5 / 2630	
Base shipping weigh	lb / kg	9,500 / 4310	9,390 / 4260	

Technical data is based on manufacturer's estimates. In order to deliver a product that is 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.

●: standard O: optional -: not available



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