

SERIES 4E



4070E // 4080E // 4090E // 4100E
POWERSHUTTLE

EPA



// SERIES 4E

ENGINE

The extremely compact 3-cylinder FARMotion engines have been specially developed for agricultural applications. Fuel consumption, emissions, vibrations and noise levels are extremely low. The FARMotion engines are not only modest in terms of fuel consumption but also in terms of maintenance. Therefore, all DEUTZ-FAHR 4E models are ready to tackle the challenges of the agriculture of tomorrow, reducing CO₂ emissions and consequently increasing environmental sustainability.

AXLES AND BRAKES

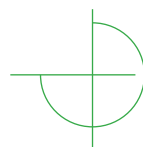
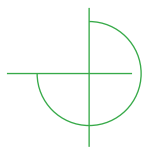
DEUTZ-FAHR has developed special front axles for the compact class of vehicle, which enables a steering angle of up to 55°. The differential lock and four-wheel drive are activated electro-hydraulically and as standard is provided with 4 wheel braking (40 km/h models). Optionally the 4E can be also equipped with a hydraulic Dual Mode trailer brake system.



Series 4E.

COMPACT FORMAT MEETS
GREAT INNOVATION.





DRIVER PLATFORM




Everyone can feel completely at ease on the driver's platform. The steering wheel and comfort seat are individually adjustable. There is plenty of space to allow freedom of movement, especially in the footwell. The controls are organised logically according to how often they are used and clearly identified with colour coding. Also for work during the night, up to 5 work lights are available.

REAR LIFT

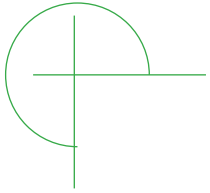
When it comes to rear lift, DEUTZ-FAHR proves once again just how versatile a compact utility model can be. The mechanical rear linkage is extremely accurate and offers sensitive control. It can lift up to 3500 kg. The category II rear linkage is available also with automatic couplers on the upper and lower links and mechanical side stabilisers. It is also available with the new EasyLift system, which allows the driver to lift and lower the rear linkage by a simple push of a switch.

TRANSMISSION

Mechanical or Powershift gearbox - the choice is yours. PowerShuttle variants offer 15+15 or 30+30 gears (with two-stage Hi-Lo Powershift). The PowerShuttle transmissions come standard with SenseClutch, ComfortClutch and Stop&Go functions. Every type of transmission allows a maximum speed of 40 km/h at only 1800 rpm, promoting fuel savings and significantly reducing noise during road travel.



Farmyard, barn and lightfield work – the new Series 4E is the ideal tractor for smaller farms and private operations as well as local authorities and horticulture companies. The new 3-cylinder FARMotion engines are powerful, reliable and ensuring a low fuel consumption, ranging from 65 HP (48 kW) to 102 HP (75 kW). Every customer can be certain to find the perfect utility tractor for their work profile here. The robust one-piece bonnet with its modern design made from high-quality steel makes it clear at first glance that this utility tractor is offering innovative technology in a compact format. The new Series 4E is both comfortable and stable in any situation. The driver's platform meets the highest standard of comfort. The dashboard provides clear information about all the operating conditions. The steering wheel and driver's seat are adjustable. The controls have been laid out using the latest findings from ergonomic research. The rear lift and hydraulics offer outstanding versatility. Options include hydraulic pumps with 48 l/min or 56 l/min and up to three spool valves at the rear as well as different PTO configurations. Also available are the fully integrated front loader Light and Ready kit from factory, ideal in combination with the hydraulic PowerShuttle.



// BE CLOSE YOUR WORK ENVIRONMENT

Series 4E: you are certain to
find the perfect compact
tractor for your work
profile.

SE TO WORKING ONMENT



// FARMOTION ENGINE

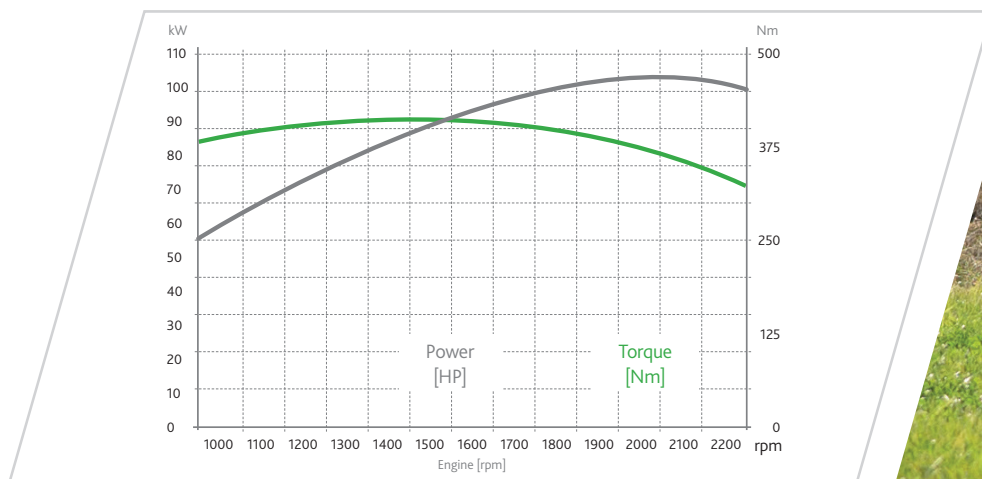
Compact format meets great power.

Under the modern designed bonnet are the extremely compact FARMotion engines. The models 4070E and 4080E feature a simplified exhaust after treatment system which avoids the use of AdBlue, allowing operating these models with Diesel only. Instead, the models 4090E and 4100E are due to the higher power equipped with a full exhaust after treatment system including DOC+DPF and SCR. FARMotion engines are not only extremely efficient with extreme low fuel consumption, but also comfortable. Minimal vibrations and noise levels are ensured thanks to the hydraulic valve tappets in combination with the 2000 bar Common Rail injection system. And not only during stationary work the operator will benefit of the two electronic engine memories, which allow to store and recall a specific engine speed with just a fingertip.

Other features include the compact cooling system with an enlarged cooling surface, Intercooler, a fuel cooling system, optimised air flow with viscous fan, and the two-stage PowerCore air filter with dust ejector. Thanks to the robust design, the FARMotion engines feature long maintenance intervals. Long uptime is also ensured due to the straightforward service layout.



> Clean underbonnet layout.



> 4100E power curve.

HIGHLIGHTS

- > FARMotion engines with 2000 bar Common Rail injection
- > 2 engine speed memories
- > New extremely compact cooling system
- > Two-stage PowerCore air filter



// TRANSMISSION AND PTO

Compact format meets great precision.

The right transmission for any operating profile and the right speed for any work – you can meet any challenge with the transmission of the Series 4E. Highly efficient with maximum precision – the choice is yours.

A 15+15 shuttle transmission with creeper gear for speeds of 298 m/h to 40 km/h ECO (achieving full road speed at just 1800 rpm) are available for the 4-wheel drive versions. In addition, these models are equipped with a hydraulic PowerShuttle, which feature the SenseClutch (for adjusting the shuttle speed), ComfortClutch (for gear shift without using the clutch pedal) and Stop&Go (for stopping and restarting the tractor by using the brake pedals only) function. The latter is ideal for

the work with the round baler or the front loader. Additional comfort is offered by the optional two-stage Powershift unit, which is doubling the gears to 30+30.

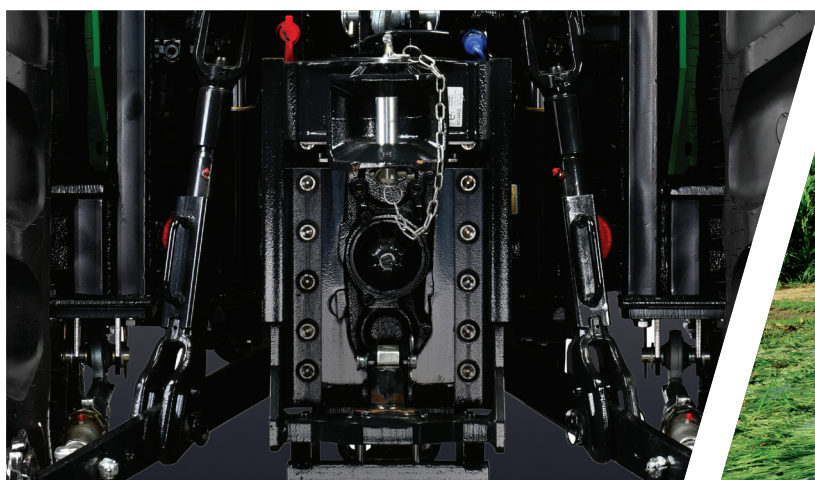
The 540 rear PTO with removable shaft offers an electro-hydraulic engagement, which ensures additional comfort and simple operation.



> 4-wheel brakes for highest safety.



> Electro-Hydraulic PTO speed engagement on Models with PowerShuttle.



> 540 rear PTO with removable shaft.



HIGHLIGHTS

- > PowerShuttle transmission with SenseClutch, ComfortClutch and Stop&Go
- > Up to 30+30 gears with two-stage Hi-Lo Powershift
- > 40 km/h or 40 km/h ECO
- > 540 rear PTO electro-hydraulically actuated



// HYDRAULIC SYSTEM AND LIFT

Compact format meets great versatility.

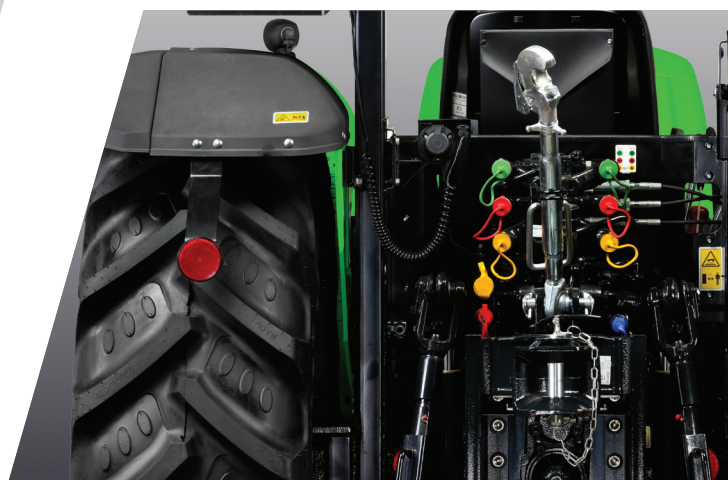
Farmyard and barn work, loader and transport applications, field work and much more – the tasks of a utility tractor are extremely varied. When it comes to the attachment points of the new Series 4E, nothing is impossible. As always with DEUTZ-FAHR, the mechanical rear power lift is extremely accurate and offers sensitive control. Thanks to the EasyLift system it is possible to increase the operating comfort significantly, for example in headlands in the field. With a simple push of a button the rear lift can be lifted or lowered. The category II three-point linkage is available with ball ends or automatic hooks on the upper and lower link arms and mechanical stabilisers. It can lift up to 3500 kg. This means that powerful attachments can also be used. For the hydraulic equipment, there is a choice between 48 l/min or 56 l/min open centre pumps for one to three spool valve control units in the rear. The steering is operated by an independent pump in both versions. This means that the full hydraulic power is always available for the attachments.

HIGHLIGHTS

- > 3500 kg lifting capacity with EasyLift system
- > 48 l/min or 56 l/min hydraulic flow
- > Up to 6 rear outlets with flow regulator



> EasyLift function for comfortable work.



> Up to 3 distributors with flow regulator and free return.



> Practical layout of spool valves control and EasyLift system.

// DRIVING POSITION

Compact format meets great comfort.

DEUTZ-FAHR always puts the focus on the driver, prioritising safety and comfort. The steering wheel and comfort seat are individually adjustable. There is plenty of space to allow the driver to move freely, in particular in the footwell. Steps and handholds on both sides of the tractor make it extremely easy to climb in and through. The controls have been rearranged, organised logically according to how often they are used and clearly identified with colour coding. To highlight is the new layout of hydraulic levers, that are in a super ergonomic and comfortable position. The central information display on the dashboard provides the driver with clear information about the tractor's operating conditions, in digital and analogue form. The new Series 4E naturally offers an unobstructed view over all work areas. The driver can see everything, this not only makes the work more efficient, but also improves safety. The new foot mat made from insulating material enhances comfort, and minimises the amount of noise, vibration and heat to the driver. During night work up to 5 work lights brighten up the area around the tractor. Also available directly from the factory are 2 different front loader predisposition (Light or Ready Kit) which are perfectly integrated in the tractor layout. So is the PowerShuttle lever, which is linked to the steering wheel adjustment, allowing always a short distance to reach.

HIGHLIGHTS

- > Low-floor driver's platform
- > Ergonomic controls layout
- > FOPS-compliance sunroof availability



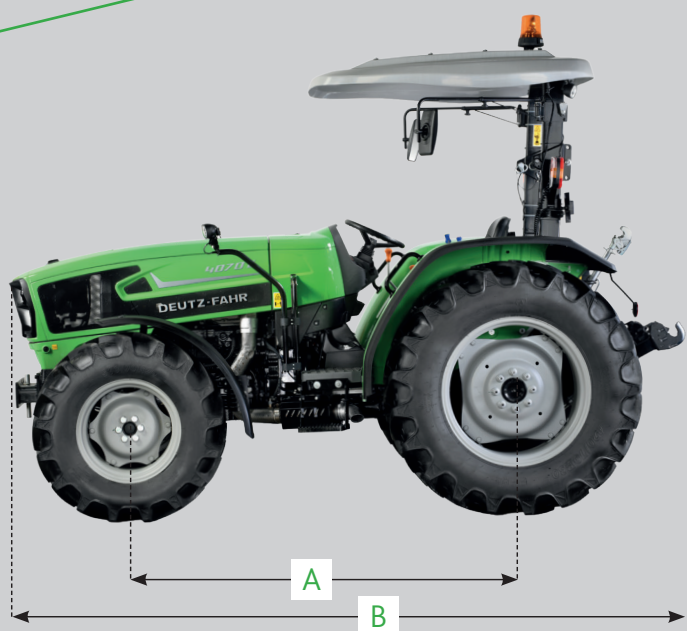
> Adjustable steering column and PowerShuttle.



> Sun roof canopy (available also with FOPS).

| TECHNICAL DATA | | SERIES 4E | | | |
|--|----------|---|---------|-------------|---------|
| | | 4070E | 4080E | 4090E | 4100E |
| ENGINE | | | | | |
| Model | | FARMotion | | | |
| Emission level | | EPA | | | |
| Cylinders/Displacement | n°/cc | 3/2887 | | | |
| Visco cooling fan | | ● | | | |
| Bore/Stroke | mm | 103/115.5 | | | |
| Aspiration | | Turbo Intercooler | | | |
| Injection @ pressure | Type/bar | Common Rail @ 2000 bar | | | |
| Max. power | kW/HP | 48/65 | 55.4/75 | 67/91 | 75/102 |
| Rated power | kW/HP | 48/65 | 55.4/75 | 63.5/86 | 71.1/97 |
| Max. torque | Nm | 292 | 342 | 372 | 417 |
| Torque rise | % | 43 | 43 | 35 | |
| Fuel tank capacity | l | 75 | | | |
| AdBlue capacity | l | - | | 12 | |
| EAT | System | DOC | | DOC+DPF+SCR | |
| TRANSMISSION | | | | | |
| Model | | T3300 | | | |
| Gearbox | n° | 5 gears x 3 ranges | | | |
| Hydraulic PowerShuttle with SenseClutch, ComfortClutch and Stop&Go | Type | ● | | | |
| N° of speed with PowerShuttle | n° | 15+15 (max. speed 40 km/h at economy engine speed) | | | |
| N° of speed with PowerShuttle (OPT) | n° | 30+30 (with two-stage Hi-Lo Powershift, max. speed 40 km/h at economy engine speed) | | | |
| HYDRAULICS AND LINKAGE | | | | | |
| Pump flow (STD) | l/min | 48 | | | |
| Pump flow (OPT) | l/min | 56 | | | |
| Rear spool valves | n° | 2/3 | | | |
| Mechanical rear lift | | ● | | | |
| Mechanical rear lift with EasyLift | | ○ | | | |
| Rear linkage lifting capacity (STD) | kg | 2500 | | | |
| Rear linkage lifting capacity (OPT) | kg | 3500 | | | |
| PTO | | | | | |
| Electrohydraulic PTO engagement | | ● | | | |
| 540 | | ● | | | |
| AXLES AND BRAKES | | | | | |
| Electrohydraulic 4WD engagement | | ● | | | |
| Steering angle | degrees | 55 | | | |
| 4 wheel braking (4WD models only) | | ● | | | |
| Mechanical Parking Brake | | ● | | | |
| Hydraulic trailer brake | | ○ | | | |
| Electrohydraulic Diff. Lock engagement | | ● | | | |
| PLATFORM | | | | | |
| Mechanical suspended seat | | ● | | | |
| Working lights | | ○ | | | |
| Telescopic steering column | | ○ | | | |
| Lateral controls layout | | ● | | | |
| Sun roof | | ○ | | | |
| FOPS protection | | ○ | | | |
| FRONT LOADER | | | | | |
| Pre-arrangement Light Kit | | ○ | | | |
| Pre-arrangement Ready Kit with mechanical joystick | | ○ | | | |

● = standard ○ = option -- = not available



| TECHNICAL DATA | | SERIES 4E | | | |
|---------------------------------|------|-----------|-------|-------|-------|
| | | 4070E | 4080E | 4090E | 4100E |
| DIMENSIONS AND WEIGHTS | | | | | |
| With rear tyre | Size | 16.9 R30" | | | |
| Wheelbase (A) | mm | 2100 | | | |
| Centre rear axle – safety frame | mm | 1798 | | | |
| Height (C) | mm | 2498 | | | |
| Max. width (D) | mm | 1839 | | | |
| Max. length (B) | mm | 3860 | | | |
| Weight | kg | 2950 | | 3050 | |
| Total admissible load | kg | 5200 | | | |

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


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

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