



PRESS RELEASE

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DEUTZ- FAHR 6W Profi Powershift

DEUTZ-FAHR is proud to present a preview of its new 6W Profi Powershift range at Agritechnica 2019, a family of tractors created to meet the increasingly more specific demand for agricultural machinery in emerging markets.

This is a range of mid to high power tractors made up of three models: 6175 W Profi PS, 6155 W Profi PS and 6135 W Profi PS. Specifically designed for outstanding reliability and to deliver class beating performance, the machines of this new range boast a contemporary design, superlative in-cab comfort and lower operating costs than other machines of equivalent technological content and power.

An impressive maximum permissible gross vehicle weight, combined with a wheelbase of 2.82 and the possibility of fitting up to 720 kg of ballast at the front (plus an addition 1340 kg of ballast on the rear wheels), are further proof of the extraordinarily robust construction and aptitude for heavy draft usage of the 6W Series Profi Powershift.

Powered by 6 cylinder Deutz TCD 2012 engines with DCR electronically controlled Common Rail fuel injection with rail pressures of up to 1600 bar, these new models (with peak power outputs of 141, 163 and 177 HP respectively) are all compliant with Stage III A emission regulations. These engines feature turbocharged forced induction with intercooler and waste-gate, and are equipped with high efficiency radiator packs for superior cooling performance. In terms of performance, these engines combine extraordinary flexibility and fuel efficiency with outstanding durability and productivity in all situations, with impressive torque on tap even at low engine speeds.

The DCR Common Rail system is fed by two injection pumps lubricated with engine oil and incorporated in the cylinder block - a solution which maximises reliability while also reducing noise and vibration. For hours of uninterrupted productivity, 6W Profi Powershift tractors are equipped as standard with a generous 260 litre fuel tank, which may also be supplemented by an optional 95 litre secondary tank.

Sturdy construction, reliability and outstanding efficiency are the key characteristics of the tried and tested **ZF transmissions** equipping these tractors, with 6 powershift speeds and 4 ranges for a total of 24 forward speeds and 12 reverse speeds. A fifth range is offered as an option, increasing the total number of speeds to 30+15. These transmissions come as standard with an electrohydraulic reverse shuttle, while the additional SenseClutch, also available as an option, lets the operator set the reactivity of the shuttle to 5 different levels. For optimised traction even in the worst working conditions, four wheel drive and the fully lockable rear differential are engaged with a practical new electrohydraulically operated control. The front differential is equipped as standard with an automatic limited slip device (limiting slippage to 45%), while as an option, an electrohydraulically operated 100% lockable front differential lock is also available. For even greater productivity and efficiency in heavy duty tasks, these tractors may be equipped with the optional ASM (Axle System

Management) system, which automatically engages and disengages four wheel drive and the differential locks in relation to the effective working conditions of the machine.

A potent, modular **hydraulic system** contributes further to the versatility of the new 6W Series Profi PS family, with a wide choice of configurations offered to cater for the specific needs of every possible application. Built with premium components, the system comes as standard with two mechanically controlled rear hydraulic distributors (for a total of 4 outlets), or with 4 distributors (8 outlets) as an option. Either one these two additional distributors may be equipped with a flow regulator and a Power Beyond free return line. The hydraulic system also comes as standard with two hydraulic pumps: with an 84 l/min gear pump serving the main hydraulic system and a secondary 42 l/min pump for the hydraulic steering and auxiliary circuits. The hydraulic system may be equipped with a higher performance version with an output of 110 l/min, or with an advanced Load Sensing pump, with an impressive maximum flow rate of 120 l/min, as an option. The **electronically controlled lift** is equipped with a Cat. II/III 3-point linkage. The base version of the lift is already capable of lifting up to 6200 kg (at the quick hitch couplers), while the addition of optional external auxiliary cylinders increases the load capacity to up to 9700 kg. To extend the versatility of the machine even further, a **front lift** with Cat. II three-point linkage is also offered, with a maximum lift capacity of 3850 kg.

As standard, these tractors are equipped with a **PTO** with automatic load sensing proportionally engaged electrohydraulic clutch, with 540 and 1000 rpm speed modes. A 1000 rpm front PTO, also with an electrohydraulically controlled, proportionally engaged clutch, is available as an option. Simplified road-going versions with no 3-point linkage are also available for markets where dedicated tractors for road transport usage are required by law.

The Heavy Duty rear axles used on these tractors are equipped with a potent new multiple wet disc braking system, which brakes all four wheels simultaneously whenever the driver presses the brake pedals. Also offered as standard is the Powerbrake servo-assisted braking system, which permits up to 10 emergency brake applications even after the engine has been switched off.

The driver zone of 6W Series Profi Powershift tractors is designed in accordance with the latest standards for ergonomics. With standard features including new, mechanically sprung seats, an adjustable steering column, with the instrument cluster also adjusted together with the steering column to keep it in the line of sight of the driver, and InfoCentre units with larger screens, the driver zone offers a comfortable and pleasant working environment. A comfortable folding passenger seat is also available as an option, while air conditioning is standard, with air distributed throughout the cab via 12 directional vents. The two air inlet filters for the cab are cleverly located at the sides of the roof, protected by covers that can easily be removed for cleaning. There are also two internal filters for recirculation and for keeping the cooled air clean, so no additional energy is used unnecessarily.

DEUTZ-FAHR stands for technological top performance at the highest level. A brand focused on productivity – from tractors and combines to a variety of work equipment.

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About the SDF Group:

SDF with headquarters in Treviglio (Bergamo, Italy) is a worldwide leading manufacturer of tractors, combines, harvesting machines and engines. The company markets its products under the brand names DEUTZ-FAHR, SAME, Lamborghini, Hürlimann and Grégoire. The tractor division covers a power spectrum from 39 to 340 hp, while the harvester division features a range between 32 and 395 hp.

SDP has 8 production sites, 13 sales subsidiaries, 2 joint ventures, 141 importers and more than 3,000 authorised dealers worldwide, and employs more than 4,200 people. In 2018, the company achieved a turnover of 1.373 billion euros and an EBITDA of 8.9%

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